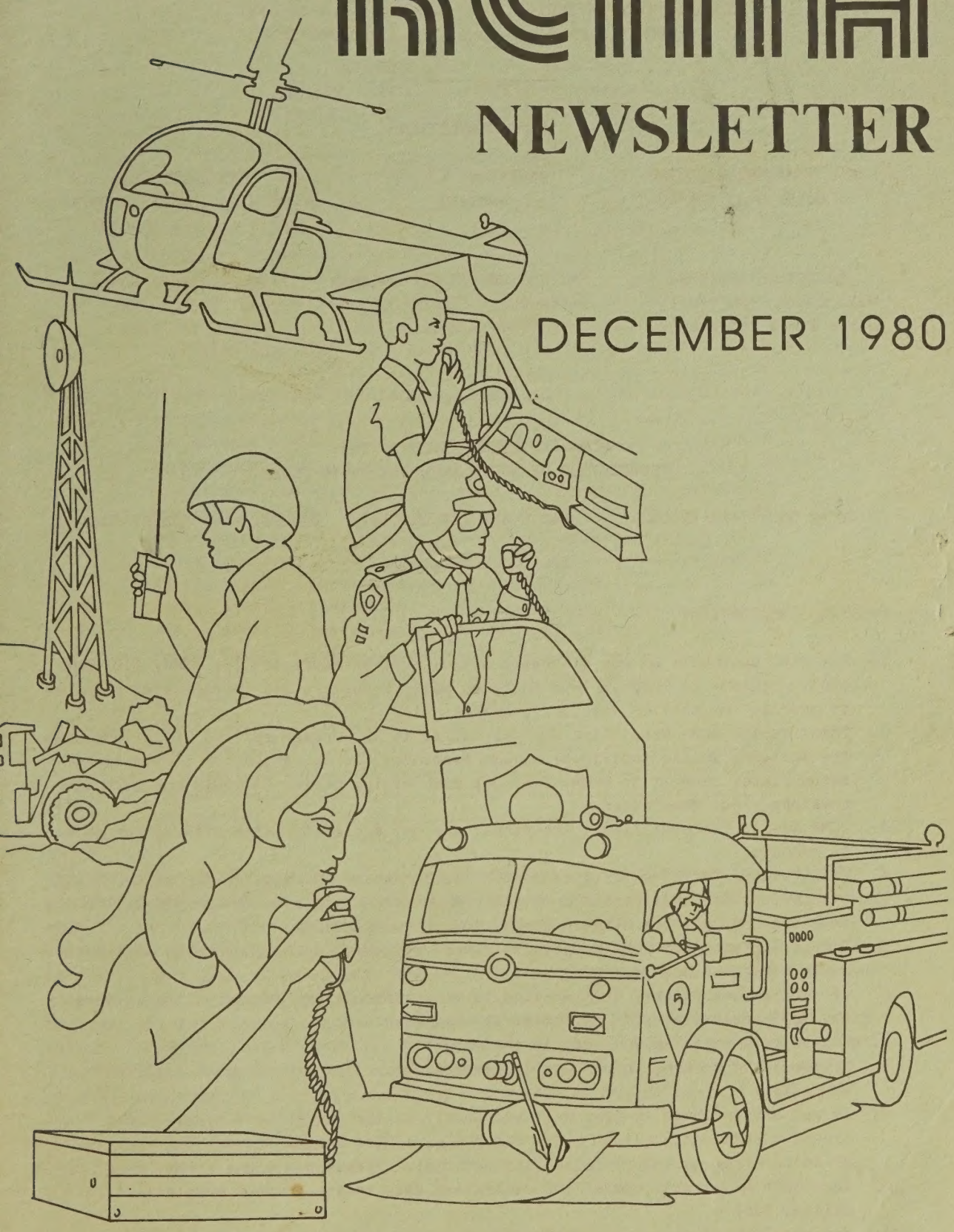
# RCMA

# NEWSLETTER

DECEMBER 1980



FIRST NATIONAL AND INTERNATIONAL ORGANIZATION
OF MONITOR RADIO LISTENERS

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## RCMA NEWSLETTER

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FOR YOUR INFORMATION:

1. All club business, unless otherwise noted, must be addressed to: RCMA, P.O. Box 4563, Anaheim, CA 92803. This includes matters that relate to renewals, changes of address, newsletter delivery problems, etc.
2. Input to the RCMA Newsletter must be mailed to the proper editors whose addresses are included in the individual column headings. If no particular column seems appropriate, send it to RCMA, P.O. Box 216, Willow Grove, PA 19090 and mark the envelope "For Newsletter."
3. RCMA Newsletter back issues (reprints) are not presently being offered for sale to members.
4. To forward a letter to a specific RCMA member whose address you do not know, put your message to that person in a stamped envelope with your return address in the envelope and mail to: RCMA, P.O. Box 408, Earp, CA 92242.
5. Please include your RCMA membership number with all correspondence to newsletter editors or club headquarters.
6. If you require a reply when writing to RCMA headquarters or one of the editors, you MUST enclose a self-addressed, stamped envelope.
7. Please only write on one side of the paper.
8. Please don't combine in one letter several items that should go to different addresses.
9. If you are inclined to type what you submit to the newsletter, please don't exceed a seven-inch column width and please single space. Doing this may save an editor from having to retype the material. Please don't use script type.
10. Your RCMA membership number and expiration date appear on your newsletter mailing label.
11. You may join or renew your membership for ONLY one year at a time.
12. The RCMA Newsletter accepts paid advertising. If you would like to place a paid ad, please write to our advertising manager (address above) for our advertising guidelines.

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DECEMBER 1980 Issue 58
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REPORT ON DELAWARE VALLEY CHAPTER

From Chuck Gysi (PA-005):

The Delaware Valley RCMA Chapter resumed their monthly meetings September 20 after a summer recess. The meeting was held at the Neshaminy Mall in Trevose, just north of the northeast section of Philadelphia. Eleven members from Pennsylvania, New Jersey and Delaware were in attendence for the special sharing session. Members brought frequencies and system notes to exchange with other members.

The chapter also met October 22 for a weekday, daytime tour of the ARCO Go-Patrol's broadcast center at the Stadium Hilton Inn in South Philadelphia. The Go-Patrol provides traffic helicopter service to several Philadelphia radio and TV stations.

Another meeting is scheduled for November and a tour will be arranged for the December meeting. There are more than 80 members in the Philadelphia area. Why haven't you attended our get-togethers?

For the Chicago Chapter Michael Yanul (IL-014)

The Chicago Area Chapter held a meeting recently with 30 members from the Chicago area, central Illinois, and Wisconsin. The main point of discussion was the inclusion of Short Wave utilities in RCMA and the Newsletter. I was asked to write to you, so that our views will be known in California.

After a very lengthy discussion of the pros and cons of adding a Short Wave utilities column, the majority of the members were impartial as to weather or not HF utility should be included, even though many do have Short Wave radios. Only a few were totally for or against the column. The general feeling that prevailed can be best summed up in the words of one member who said, " If someone is willing to write the column, let it be, and for those who are not interested in SW utility, they can turn the page".

Although there was acceptance of the SW column, there was unanimous disapproval of the way Short Wave was introduced into the club and Newsletter without any notice to the membership of the policy change. RCMA policy has always excluded below 30 MHz frequencies, and because of it, the club attracted people who were dedicated scanner users. This policy change could alter the perspective and aim of the club after most members joined expecting something else. Some form of voting or solicitation of opinions in the Newsletter should have preceded a change in policy.

## ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

## NEWS HIGHLIGHTS

ANARC is a federation of the most responsible, well established radio listening clubs in North America. RCMA attained Full Member status in ANARC in 1977. For a list of the ANARC Member and Associate Member clubs send a self-addressed, stamped business size envelope with your request to the address below. For an annual subscription to the monthly "ANARC Newsletter" send $3.50 to: ANARC, 557 N. Madison Ave., Pasadena, CA 91101.

# THOUGHT waves

Chuck Gysi, Managing Editor, P.O. Box 216, Willow Grove, PA 19090

Wouldn't be great to have a programmable pocket scanner!

Imagine sitting at the stadium during a football game and being able to listen in to stadium security and actual communications by the team itself on the field, not to mention TV crews as well.

Or how about cruising along at 90 mph on the Metroliner between Philadelphia and New York and eavesdropping on railroad channels or even the train's mobile phone.

And for those of you who don't like going anywhere without a scanner (especially programmable), you'll be able to take along that new scanner when you hop in your friend's car--and not be bored without having a scanner.

But we don't have programmable pocket scanners right now. The technology exists but the radios aren't being produced. Why?

One Southern California manufacturer already is marketing a pocket monitor capable of tuning in frequencies between 141 and 150 MHz in 5 kHz steps. It's geared mainly toward the radio amateur and sells for $125. If they can do it with this radio, why can't a multi-band receiver be manufactured? Obviously, this monitor is capable of monitoring federal government and military channels on 141-144 and 148-150 MHz.

The market exists for such a programmable pocket scanner. Many RCMA members will purchase the first one to hit the market. If the manufacturers want to make a few extra bucks, maybe they'll do something about this.

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In the past few months, I've made mention in this column of how scanner users often are portrayed as crooks, eavesdropping on police activity. Also, I have made mention that citizens with scanners often are able to aid police.

Well, here is just one of many instances in which a scanner listener aided police in an investigation. Matt Peskin (PA-016) tells how he was able to aid Philadelphia police and a suburban department in a robbery investigation:

* My fiance and I were returning from center city via Fairmount Park at approx. 9:20 pm on 9/19/80

* 'Flash information' of a hold-up in the 19th District came out on Phila. Police Radio/West Band. The complaintant was at Montgomery Dr. & Belmont Mansion Dr. ( about 1/2 mile from my present location ) - The man's 1980 Black Cadillac was taken in the robbery.

* Approx 1 minute later - Lower Merion Police Radio was dispatching a car to meet a women at the Bala Acme who was 'attempting to locate' her husband who was supposed to be driving a 1980 Black Cadillac !!!

* With the assistance of my Bearcat TS, it didn't take long to tie the 2 calls together. Since Phila. Police Radio and LMPD do not monitor each other's frequencies - neither was aware of the connection.

* The 19th District was rushing the man to the hospital with an apparent heart so they were unable to get any further info. on his stolen vehicle. ( VIN #, Pa. tag, etc.. ) In the meantime, LMPD was returning the women back to her home as they were unable to offer any further assitance at that time.

* I knew then that I had to let somebody know about what I had pieced together. Since scanner are "illegal in the city", I was forced to search for a phone booth to call LMPD which wasted approx. 5-7 minutes. After identifying myself along with my Town Watch ID # , I relayed what I had heard and within a few minutes, the man's wife was enroute to Osteopathic Hospital and West Detectives and LMPD's Detectives had begun a full-sale investigation.

I spoke with a Lieutenant from Lower Merion yesterday and he offered the thanks on behalf of the Dept. for aiding the Dept. in their investigation and for alerting them in time to transport the wife to the hospital to be with her husband.

The man, a center city tavern owner in Philadelphia, died three hours after the abduction in Osteopathic Hospital of a heart attack. The two teenagers with a sawed-off shotgun that robbed the man got away.

Without Matt's quick thinking and action, the police would have taken longer in putting the two pieces together. While Matt is to be commended for his action, we must be reminded that monitoring citizens can be more of a help, rather than a hindrance.

---

The newsletter is starting to take shape and we have several more new editors to announce this month.

George Hoggatt (CO-007) will begin the task of editing the Public Safety-West column beginning with next month's issue. George, a resident of Aurora, Colorado, has been a monitor since 1957 when he started with an old three-tube Monitoradio. George has made several contributions to the newsletter in the past. Please support him with any Public Safety information on the western states that you can supply.

Also, beginning next month, Chuck Smith, our former Technical Topics editor, will be resuming his duties with the club. Chuck is very knowledgeable with electronics and radio systems. We re-welcome Chuck back to his post.

Two other new editors will handle the Marketplace and Contact/Info Wanted columns. Gary Darcy (CA-LA-059) of Palmdale, CA, will handle the Marketplace column and John Darr of Cheyenne, Wyoming, will be handling the Contact/Info Wanted column. Please forward your ads to these two members.

At the same time, I would like to express with regret, the resignation of Bill Blomgren as our Satellites editor. Bill has had a very difficult task as editor coming up with copy on satellite systems and monitoring each month. Certainly his columns have inspired many of us to tune in the 135-MHz band for clear-voice satellite traffic. Bill will remain as the satellites editor until the March issue next year, at which time we will need a new satellites editor. If you are knowledgeable about satellite syatems and monitoring and would be interested in editing this column, drop me a line to the above address so we can discuss it.

In addition, we still have an opening for the Monitoring and the Law column editor. This editor should be knowledgeable about monitoring laws and law in general and should even possibly have a collection of monitoring laws from around the nation. Are you interested in this column? Drop me a line.

The only other position open on the newsletter staff at the present time is that of Assistant Editor. It would be preferable that this person live in the Greater Philadelphia area or Metropolitan New York so that I could get together with the person once in awhile to go over newsletter-related matters. This person would handle routine correspondence for the Managing Editor and assist with putting together columns each month. I need more time to devote to newsletter development and without an assistant editor, I won't accomplish my goals. Is anyone willing to lend a hand? If so, drop me a line stating your qualifications.

I must remind members that RCMA is an all-wave utility club these days. Even though there are many places in thr newsletter that state we only deal with radio activity above 30 MHz, it just ain't so. We just haven't had the time to change everything yet (that's why I need an assistant editor!). Ads will be accepted from members for short-wave and longwave gear for sale and the Contact column can be used for SW ute enthusiasts to contact each other as well.

---

It's been called to my attention that recently President Carter decided to go fishing on the farm of RCMA member Ginny Slick (MD-012) and her husband Jack. Two Marine helicopters landed on their hay field containing the presidential party. Don't know whether Ginny did any listening on her scanner or not, but I'm sure the usual channels were busy (with fishing reports at least).

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CLARIFICATION--The copy that appeared under the Federal Government/Military column in the September newsletter was not prepared by Robert Grove, the column editor. It was prepared by Bryan Hunnell of the newsletter paste-up crew because Bob's copy was not received in time to be included in that issue. We apologize for any misunderstanding.

## YOUR THOUGHTS

P.O. Box 216, Willow Grove, PA 19090

To the editor:

I appreciate the job you're doing as editor as I know others must. One thing appears to be missing that might increase participation. That is a column where just requests for specific frequencies would be listed.

Responses by the membership would be directed to subject editors for inclusion in their columns. It might increase the amount of input, particularly in the Business, Etc. area.

Rod Bourne (VA-012)
Arlington, Virginia

(Editor's note: Members always are welcome to write to the various column editors who will, space permitting, print requests for specific frequencies. Also, members may take advantage of the Contact/Info Wanted column for printing their requests for specific frequency and data requests.)

# COMMUNICATIONS PROFILE

RCMA, P.O. Box 216, Willow Grove, PA 19090

This column is for special projects that explain various radio systems in detail. Frequencies and radio codes of not only municipal agencies and certain federal government agencies may be listed, but also large businesses and corporations. The contribution must be lengthy enough that publishing it in one of the regular columns would not be possible due to length. If you are inclined to submit a report as the one below appears, please follow No. 9 in the inside front cover of the newsletter.

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ORANGE BOWL FESTIVITIES FREQUENCIES

From RCMA Miami Group:

The Orange Bowl, although thought of nationally as a football game with a preceding game, is actually an entire series of local events beginning in November and ending in January each year.

Over 20 events, inlcuding the parade (King Orange Jamboree) and the football game are staged and coordinated with the help of two-way radios. Furthermore, many local government and private agencies utilize their standard radio channels in an effort to assist the Orange Bowl Committee and event sponsors. The largest events demand the most radio use and are listed below.

The news media network channels have a tendency to change from year to year.

——*Present at all events*

| | | |
|---|---|---|
| 154.570 | Orange Bowl Committee members | Event coordination |
| 155.220 | Randle-Eastern Ambulance Service | |
| 173.225 | Miami Herald | |
| 450.0875 | WCKT-TV 7 News | |
| 450.1125 | WTVJ-TV 4 News | |
| 450.150 | WCKT-TV 7 Engineering | |
| 450.3875 | WTVJ-TV 4 Engineering | |
| 450.5875 | WPLG-TV 10 Engineering | |
| 450.6125 | WPLG-TV 10 News | |
| 450.850 | WCIX-TV 6 News | |
| 452.975 | Miami News | |
| 453.650 | Metro-Dade County Dept. of Traffic and Transportation | |

——*Junior Orange Bowl Parade/Dec. 27*

| | | |
|---|---|---|
| 156.090 | Coral Gables Police Dept. | Traffic control |

——*Orange Bowl Parade rehearsal*

| | | |
|---|---|---|
| 151.985 | Southern Bell | Telephone/network interface |
| 450.550 | NBC | Engineering |

——*Orange Bowl Parade/Dec. 31*

| | | |
|---|---|---|
| 147.150 | Orange Bowl amateur operators | Float support |
| 132.000 | Goodyear Tire and Rubber Co. | Airship support |
| 151.985 | Southern Bell | Telephone/network interface |
| 154.920 | Florida Highway Patrol | Football teams security |
| 450.285 | WLTV-TV 23 News | |
| 450.550 | NBC | Engineering |
| 450.825 | NBC | Production |

| | | |
|---|---|---|
| 453.100 | Miami Fire Dept. | |
| 453.425 | Miami Fire Dept. | Rescue units |
| 453.500 | Miami Police Dept. | Traffic control |
| 453.550 | Miami Police Dept. | Traffic control |
| 453.750 | Miami Police Dept. | Traffic control |
| 453.950 | Miami Public Works Dept. | |
| 471.7625 | Metro-Dade County Transit Authority | |
| 471.7875 | Metro-Dade County Transit Authority | |

——*Orange Bowl Game/Jan. 1*

| | | |
|---|---|---|
| 132.000 | Goodyear Tire and Rubber Co. | Airship support |
| 151.985 | Southern Bell | Telephone/network interface |
| 154.920 | Florida Highway Patrol | Football teams security |
| 161.760 | WIOD Radio 610 AM | Play-by-play |
| 450.050 | ? | AM radio audio |
| 450.550 | NBC | Engineering |
| 450.775 | | Open microphone |
| 450.825 | NBC | Production |
| 453.100 | Miami Fire Dept. | |
| 453.425 | Miami Fire Dept. | Rescue units |
| 453.500 | Miami Police Dept. | Traffic control |
| 453.550 | Miami Police Dept. | Traffic control |
| 453.950 | Miami Public Works Dept. | |
| 455.475 | ? | AM radio audio |
| 455.525 | ? | Open microphone |
| 455.675 | ? | Open microphone |
| 455.725 | ? | AM radio audio |
| 455.825 | ? | AM radio audio |
| 471.7625 | Metro-Dade County Transit Authority | |
| 471.7875 | Metro-Dade County Transit Authority | |

——*Three Kings Parade (Latin Orange Bowl Parade)/Jan. 4*

| | | |
|---|---|---|
| 450.285 | WLTV-TV 23 News | |
| 453.100 | Miami Fire Dept. | |
| 453.425 | Miami Fire Dept. | Rescue units |
| 453.750 | Miami Police Dept. | Traffic control |
| 453.950 | Miami Public Works Dept. | |
| 462.625 | National CB Radio Assn. of Florida | Float support |

——*Orange Bowl Marathon/Jan. 17*

| | | |
|---|---|---|
| 147.150 | Orange Bowl amateur operators | Runners aid stations |
| 154.310 | Coral Gables Fire Dept. | |
| 155.790 | Metro-Dade County Public Safety Dept. | Traffic control |
| 156.015 | Metro-Dade County Public Safety Dept. | Traffic control |
| 156.090 | Coral Gables Police Dept. | Traffic control |
| 161.760 | WIOD Radio 610 AM | Race commentary |
| 453.100 | Miami Fire Dept. | |
| 453.425 | Miami Fire Dept. | Rescue Units |
| 453.750 | Miami Police Dept. | Traffic control |
| 453.800 | Metro-Dade County Fire Dept. | |

# contact / info wanted

The purpose of this column is twofold: 1) CONTACT --- It helps members to contact other members. If you want to meet, telephone or correspond with other members (by letter or cassette tape) in a certain geographic area or with members who have similar listening interests, this is the place to say so. 2) INFO WANTED --- This column helps members to obtain information directly from other members on various subjects related to two-way communications monitoring above 30 MHz.

Members who wish to contact you will do so directly, so be sure to give your phone number and best time to call and/or your address. Write to: John Darr, P.O. Box 1652, Cheyenne, WY 82001.

John probably will begin editing his column next month.

Member seeks information on upstate New York (Binghamton area) federal government and/or military frequencies in use. TOM MYDOSH (NY-037), 99 Glann Road, Apalachin, NY 13732.

Member new to north suburban Chicago area from Southern California seeking information from area members on the following: 1) Unit and station identification for Lake County sheriff's network, including what the frequencies 156.21, 155.655 and 155.70 are used for. 2) Unit and station identification system for Lake County fire departments dispatch network (154.40, 153.89). 3) Other recommended frequencies. Letters or casettes OK. JACK WATERMAN (IL-???) ex(CA-OR-118), 466 Kings Way, Mundelein, IL 60060.

Member wishes to exchange casette tapes of traffic helicopters in various U.S. and Canadian cities. Can provide tape of Philadelphia copters for tape of your city. CHUCK GYSI (PA-005), P.O. Box 216, Willow Grove, PA 19090.

Member desires to obtain unit and station numbering lists for police and fire radio systems in the following counties: in Pennsylvania--Schuylkill, Berks, Carbon and Monroe; in New Jersey--Atlantic, Cape May, Cumberland, Mercer, Middlesex, Ocean and Salem; in Delaware--New Castle County and Wilmington city. Also need list of codes used by police in Trenton, NJ and Ocean City, NJ. Can exchange info for any other county in South Jersey or southeastern Pennsylvania. CHUCK GYSI (PA-005), P.O. Box 216, Willow Grove, PA 19090.

# MARKETPLACE

Members may advertise, free of charge, items wanted, items for sale and items for trade that are associated with the hobby of monitor radio listening above 30 MHz. No dealer ads accepted. Send to: Gary Darcy, Box 1329, Palmdale, CA 93550. RCMA assumes no responsibility for the outcome of any transactions between members resulting from ads in this column.

Gary probably will begin editing his column next month.

WANTED: Any member interested in selling a Regency model TMR-1H single-channel high-band monitor in good working condition. RON MURRAY (CA-VE-013), 6250 Telegraph Road #2605, Ventura, CA 93003.

WANTED: Mobile mount and power supply for Bearcar BC-101. T.A. DILLON (CT-010), 8 Valory Lane, Weston, CT 06883.

FOR SALE: 47.66 crystals (10.7 IF). Have three available since local ambulance was taken over by fire agencies. $2 each or all three for $5. KEVIN SLATER (OR-010), 1167 Ring Street NE, Salem, OR 97303.

FOR SALE: Bearcat BC-220. Six months old, perfect condition, remaining warranty. $150--selling at low price for quick sale. Have BC-300 on order. Certified check or money order. J. WHITTLE (GA-021), P.O. Box 1132, Dublin, GA 31021.

FOR SALE: Drake SPR-4 shortwave receiver with FS-4 synthesizer and Gilfer M-1 multi-tuner. Receiver has calibrator and noise blanker options. Excellent condition, $500. CHRIS DEVENDORF (CA-OR-050), 29261 Buckhaven Street, Laguna Niguel, CA 92677.

FOR SALE: Bearcat 101A (UHF tuned to 400-490 MHz). Programming instructions included. $125. CHRIS DEVENDORF (CA-OR-050), 29261 Buckhaven Street, Laguna Niguel, CA 92677.

FOR SALE: Several radios no longer used: Realistic PRO-3 (3-band tunable), $25. Realistic PRO-2 (hi/lo tunable with hi retuned to 138-150 MHz), $10. Sonar FR-105 (6-channel hi-band), $20. Courier COP-50 (6 hi/6 lo), $40. Original Bearcat scanner (8-channel hi-band), $20. All radios in working order. CHRIS DEVENDORF (CA-OR-050), 29261 Buckhaven Street, Laguna Niguel, CA 92677.

## ? Beginners ?????? Corner

Have a question? If you are a new scanner listener and don't understand something about monitoring that most everyone else seems to understand, send in your question. When possible, your question and the answer will be printed. No answers will be sent by return mail. Your name will not be printed. Write to: David E. Crowley, 7234 Balson Ave., University City, MO 63130.

Q. Is it possible to receive an amateur 2-meter repeater in the 144-148MHz band, and again in the 168MHz band?

A. As far as I know, the 162.2-173.2 MHz band is reserved for the federal government, but I can make a good guess about this type of reception. The 168 reception may be a "image" of the 146 transmission. For example, a local repeater transmits on 146.970 MHz, and can also be recieved by my scanner on 168.570 MHz. This radio has an intermediate frequency (IF) of 10.8 MHz: 146.970 + 2( 10.8 ) = 168.570 MHz.

Q. My local Sheriffs Department uses car computers (called MCTs). Is this the same as RTTY?

A. No. Radio teletype (RTTY) signals are usually found in the bands below 30 MHz and use frequency shift keying (FSK). On the other hand, Mobile Computer Terminals (MCTs) communicate by modulating a regular two-way FM carrier. In police use, the MCT comprises a small mobile keyboard and CRT display, through which the officers in the field can access computer files of wanted, missing or stolen property, wanted persons, and drivers or auto license information. Civil liberties groups are concerned that the officer's direct access to these files could invade citizens' rights to privacy and could facilitate the propagation of erroneous and adverse information concerning innocent people. In fire service, MCTs can provide a printed listing of all adresses covered by a particular box, the presence of hazardous materials, type of construction, and special circumstances such as the presence of elderly, handicapped or retarded individuals.

Comments for the month: A lack of knowledge and time prevent me from answering questions about out-of-band programming in synthesized scanners. Some of this information appeared in the September 1979 RCMA Newsletter -a month before I joined. Digicom/Systems Research, P.O. Box 1175, New York, NY 10009 sells information of this type for the Bearcat 250 and 250A. Price: $15.00 for publication 4006 (caveat emptor). This past week MO-002 and I toured the St. Louis City Fire Alarm Center. More about this in future issues. Merry Christmas!!!

This column is for reporting Public Safety and Special Emergency frequency information, radio system details, radio codes, dispatch areas, unit numbering systems, etc. for police, sheriff, fire, forestry (except USFS), fish and game, highway patrol, state police, prisons, prisoner work camps, local government, highway & street maintenance, port authority/bridge maintenance, animal control, ambulances, paramedics, hospitals, life guards, ski patrol, search & rescue, flood control, civil defense and disaster organizations. Input and questions for this column must be sent to the proper regional Public Safety editor listed below.

## PUBLIC SAFETY - EAST

Send Public Safety and Special Emergency frequencies, radio system details and questions for Connecticut, Delaware, District of Columbia, Florida, Georgia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Vermont, Virginia and West Virginia to: Richard Barnett, P.O. Box 428, Newton Highlands, MA 02161.

Once again, here is more of that excellent New Jersey D.N.R. report! APPENDIX 2

LISTING OF BASE STATIONS-THEIR LOCATION CALL SIGNS AND FREQUENCIES

I. Division of Fish, Game and Shellfisheries

Conservation Officers

| Location | Call Sign | Frequencies |
|---|---|---|
| Trenton | KBF-828 | 159.345<br>151.325 |
| Chester (Black River) | KBF-827 | 159.345<br>151.325<br>159.375 |
| Robbinsville (Assumpink) | KBF-826 | 159.345<br>151.325<br>159.375 |
| Williamstown (Inskip) | KYK-384 | 159.345<br>151.325<br>159.375 |

II. Division of Environmental Quality
Bureau of Air Pollution

| Location | Call Sign | Frequencies |
|---|---|---|
| Trenton | KBF-828 (Tone C) | 159.345<br>151.325<br>159.375 |
| Springfield | KTN-398 (Tone A) | 159.345<br>151.325<br>159.375 |
| Newark | KZE-617 (Tone A) | 159.345<br>151.325<br>159.375 |
| Cherry Hill | KTN-397 (Tone B) | 159.345<br>151.325<br>159.375 |

III. Division of Marine Services
Bureau of Marine Law Enforcement

MARINE POLICE

| Location | Call Sign | Frequencies |
|---|---|---|
| Trenton | KJE-976 | 159.300<br>159.375 |
| Atlantic City | KLE-869 | 159.300<br>159.375 |
| No. Wildwood | KLZ-215 | 159.300<br>159.375 |
| Bivalve | KDV-671 | 159.300<br>159.375 |
| Riverside | KVV-921 | 159.300<br>159.375 |
| Point Pleasant | KJC-974 | 159.300<br>159.375 |
| Ship Bottom | KRZ-898 | 159.300<br>159.375 |
| Lake Hopatcong | KEA-712 | 159.300<br>159.375 |

IV. Division of Parks and Forestry
Bureau of Parks

STATE RANGERS

| Location | Call Sign | Frequencies |
|---|---|---|
| Allaire State Park | KJN-721 | 159.465<br>159.375 |
| Bass River State Forest | KNJ-723 | 159.465<br>159.270<br>159.375 |
| Belleplain State Forest | KNJ-724 | 159.465<br>159.375 |
| Cheesequake State Park | KNJ-730 | 159.465<br>159.375 |

IV. Division of Parks and Forestry
Bureau of Parks

| Location | Call Sign | Frequencies |
|---|---|---|
| Lebanon State Park | KNJ-725 | 159.465<br>159.270<br>159.375 |
| Parvin State Park | KJN-731 | 159.465<br>159 375<br>159.300 |
| Ringwood State Park | KJN-728 | 159.465<br>159.375<br>159.300 |
| Spruce Run Recreation Area | KJN-729 | 159.465<br>159.375<br>159.300 |
| Stokes State Forest | KJN-722 | 159.465<br>159.375 |
| Swartswood State Park | KJN-732 | 159.465<br>159.375 |
| Voorhees State Park | KJN-726 | 159.465<br>159.375 |
| Washington Crossing State Pk. | KJN-727 | 159.465<br>159.375 |
| Hopatcong State Park | KEA-727 | 159.465<br>159.375 |
| Wharton State Forest | KEH-914 | 159.465<br>159.375 |
| Island Beach State Park | KEH-925 | 159.375 |
| National Gateway Park | KDR-382 | 159.465<br>159.375 |
| High Point State Park | KDU-519 | 159.465<br>159.375 |
| D&R Canal State Park | KDT-467 | 159.465<br>159.375 |
| Jenny Jump State Forest | KXK-423 | 159.465<br>159.375 |
| Monmouth Battlefield State Park | KJN-727 | 159.465<br>159.375 |
| Liberty State Park | KDT-456 | 159.465<br>159.375 |

IV. Division of Parks and Forestry

Bureau of Parks

| Location | Call Sign | Frequencies |
|---|---|---|
| Wawayanda State Park | KDT-458 | 159.465<br>159.375 |
| Round Valley Recreation Area | KAN-766 | 159.465<br>159.375 |

Bureau of Forestry
Forest Fire Service

| Location | Call Sign | Frequencies |
|---|---|---|
| Trenton DEP Communications Hdqts. | KEA-733 | 159.375 |
| Trenton-Division A | KGS-75 | 159.240 |
| Division B | KGS-75 | 159.270 |
| Division C | KGS-75 | 159.405 |
| Trenton-State Police Hdqts. (CDDC) | KEH-915 | 45.000<br>159.375 |
| Franklin Hdqts. | KGS-79 | 159.240<br>159.375 |
| Franklin Hdqts. | KGS-712 | 151.415<br>159.240<br>159.375 |
| Lanoka Harbor | KEA-713 | 159.285<br>159.375 |
| Lanoka Harbor | KGS-81 | 159.270<br>151.475 |
| Mays Landing | KEA-714 | 159.375<br>159.285 |
| Mays Landing | KGS-78 | 159.405<br>151.265 |
| Wharton State Forest | KTO-77 | 159.270 |
| Vincentown | KTO-76 | 159.270 |
| Vincentown | KEH-924 | 159.375 |
| Milton Tower | KGS-80 | 159.240 |
| Milton Tower | KEA-730 | 159.375 |
| Milton Tower (Repeater) | KEA-724 | 151.415 |
| Lebanon Tower | KHF-450 | 159.270 |
| Lebanon Tower | KGL-500 | 159.375 |
| Lebanon Tower (Repeater) | KGL-573 | 151.475 |
| Mizpah Tower | KHF-49 | 159.405 |
| Mizpah Tower | KFX-284 | 159.375 |
| Mizpah Tower (Repeater) | KEA-77 | 151.265 |

## LISTING OF MOBILE STATIONS AND CALL SIGNS

### I. Executive Staff of DEP

| Call Sign | Person |
|---|---|
| Mobile X-ray (X) | Commissioner |
| Mobile Zebra (Z) | Director - Parks and Forestry |
| Mobile Tango (T) | Director - Marine Services |
| Mobile G-1 | Director - Fish, Game and Shellfisheries |
| Mobile Air 824 | Director - Environmental Quality |

### II. Division of Fish, Game and Shellfisheries

The following call signs will be used for all routine transmissions amongst Division personnel. The Term "Fish and Game" must precede the call sign on all other interagency transmissions for a more positive identification.

| Call Sign | Location | Person | Vehicle License No. |
|---|---|---|---|
| Mobile G-1 | Trenton Hdqts. | Cookingham | SGJ-673 |
| Mobile G-2 | Trenton Hdqts. | McLain | SGJ-613 |
| Mobile G-3 | Trenton Hdqts. | Mulvey | SGJ-555 |
| Mobile G-4 | Trenton Hdqts. | Amory | SGJ-543 |
| Mobile G-5 | Trenton Hdqts. | Howard | SGH-111 |
| Mobile G-6 | Trenton Hdqts. | Pyle | SGH-591 |
| Mobile G-7 | Trenton Hdqts. | Nevins | SGJ-510 |
| Mobile G-8 | Trenton Hdqts. | Burns | SGG-865 |
| Mobile G-9 | Trenton Hdqts. | Busnardo | SGH-380 |
| Mobile G-10 | Trenton Hdqts. | Frier | SGG-909 |
| Mobile G-11 | Trenton Hdqts. | Cussen | SGG-771 |
| Mobile G-12 | Trenton Hdqts. | Perrone | SGH-586 |
| Mobile G-13 | Trenton Hdqts. | Galli | SGG-769 |
| Mobile G-14 | Trenton Hdqts. | Critchlow | SGW-647 |
| Mobile G-15 | Trenton Hdqts. | Soldwedel | SGJ-495 |
| Mobile G-16 | Trenton Hdqts. | Winkel | SGH-380 |
| Mobile G-17 | Trenton Hdqts. | Itchmoney | SGG-492 |
| Mobile 101 | Northern N.J. | Wendelken | SGJ-655 |
| Mobile 102 | Northern N.J. | Herb | SGH-604 |
| Mobile 103 | Northern N.J. | Nestel | SGH-381 |
| Mobile 104 | Northern N.J. | Hawkswell | SGH-619 |
| Mobile 105 | Northern N.J. | ____ | SGH-619 |
| Mobile 106 | Northern N.J. | Davis | SGJ-652 |
| Mobile 107 | Northern N.J. | Blankenhorn | SGG-397 |
| Mobile 108 | Northern N.J. | Mihatov | SGG-940 |
| Mobile 109 | Northern N.J. | Valocsik | SGG-923 |
| Mobile 110 | Northern N.J. | Glotta | SGG-518 |
| Mobile 111 | Northern N.J. | Chitwood | SGH-588 |
| Mobile 112 | Northern N.J. | Schuster | SGJ-487 |
| Mobile 113 | Northern N.J. | Aber | 321-FZJ |
| Mobile 114 | Northern N.J. | Lawton | SGJ-545 |
| Mobile 115 | Northern N.J. | Holloway | SGG-931 |
| Mobile 116 | Northern N.J. | Troisi | SGH-617 |
| Mobile 117 | Northern N.J. | Benson | SGH-115 |
| Mobile 201 | Central N.J. | Ferrigno | SGJ-549 |
| Mobile 202 | Central N.J. | Gebhart | SGH-586 |
| Mobile 203 | Central N.J. | LaCava | SGH-113 |
| Mobile 204 | Central N.J. | Schiller | SGH-378 |
| Mobile 205 | Central N.J. | Kristiansen | SGG-924 |
| Mobile 206 | Central N.J. | Smith | WKI-256 |
| Mobile 207 | Central N.J. | Torlaccio | SGH-640 |

II. Division of Fish, Game and Shellfisheries

| | | | |
|---|---|---|---|
| Mobile 208 | Central N.J. | Klaus | SGH-648 |
| Mobile 209 | Central N.J. | Morales | SGJ-688 |
| Mobile 210 | Central N.J. | Fennimore | SGH-639 |
| Mobile 211 | Central N.J. | Murza | SGH-589 |
| Mobile 212 | Central N.J. | Cann | RAS-137 |
| Mobile 213 | Central N.J. | ____ | ____ |
| Mobile 214 | Central N.J. | ____ | ____ |
| Mobile 215 | Central N.J. | Pick-up | SGH-986 |
| Mobile 216 | Central N.J. | Balfrey | SGG-325 |
| Mobile 217 | Central N.J. | Pick-up | |
| | | | |
| Mobile 301 | Southern N.J. | Russack | SGH-605 |
| Mobile 302 | Southern N.J. | Young | SGH-641 |
| Mobile 303 | Southern N.J. | Hutchinson | SGJ-653 |
| Mobile 304 | Southern N.J. | Veach | SGJ-654 |
| Mobile 305 | Southern N.J. | ____ | ____ |
| Mobile 306 | Southern N.J. | Mabey | SGH-618 |
| Mobile 307 | Southern N.J. | Shoemaker | SGJ-607 |
| Mobile 308 | Southern N.J. | Jess | SGH-585 |
| Mobile 309 | Southern N.J. | Huljack | SGH-363 |
| Mobile 310 | Southern N.J. | Arnold | SGJ-596 |
| Mobile 311 | Southern N.J. | Beebe | SGJ-645 |
| Mobile 312 | Southern N.J. | Masi | BZB-126 |
| Mobile 313 | Southern N.J. | Hedden | SGH-587 |
| Mobile 314 | Southern N.J. | ____ | ____ |
| Mobile 315 | Southern N.J. | Cartier | SGH-112 |
| | | | |
| Mobile 401 | Tuckahoe | F. Ferrigno | SGH-562 |
| Mobile 402 | Clinton | Toth | SGG-292 |
| Mobile 403 | | Boss | SGG-292 |
| Mobile 404 | | Adams | SGG-730 |
| Mobile 405 | Lebanon | Jacangelo | SGS-892 |
| Mobile 406 | ____ | Haney | SGJ-675 |
| Mobile 407 | ____ | Hamer | SGH-470 |
| Mobile 408 | Lebanon | Murawski | SGG-342 |
| Mobile 409 | ____ | Hurley | SGH-702 |
| Mobile 410 | ____ | Smyser | SGG-893 |
| Mobile 411 | ____ | Halgren | SGJ-869 |
| Mobile 412 | ____ | Munson | SGG-293 |
| Mobile 413 | ____ | Vanderbilt | SGH-627 |
| Mobile 414 | ____ | Menzer | SGG-885 |
| Mobile 415 | ____ | Schmidt | SGE-421 |
| Mobile 416 | ____ | Jensen | SGJ-669 |
| Mobile 417 | ____ | Fowler | SGJ-725 |
| Mobile 418 | ____ | Todd | SGF-749 |
| Mobile 419 | ____ | Spinks | SGG-290 |
| Mobile 420 | ____ | Eriksen | SGG-875 |
| Mobile 421 | ____ | MacLean | SGH-626 |

III. Division of Environmental Quality
Bureau of Air Pollution Control

| Call Sign | Location | Person | Vehicle License No. |
|---|---|---|---|
| Mobile Air 824 | Trenton | Arbesman | SGP 824 |
| Mobile Air 193 | Trenton | Christiff | SGW 193 |
| Mobile Air 127 | Trenton | DePierro | SGP 127 |
| Mobile Air 313 | Trenton | Jones | SGP 313 |
| Mobile Air 552 | Trenton | Keiderling | SGJ 552 |
| Mobile Air 617 | Trenton | Krauss | SGP 617 |
| Mobile Air 956 | Trenton | Krisak | SGF 956 |

III. Division of Environmental Quality
Bureau of Air Pollution Control

| Call Sign | Location | Person | Vehicle License No. |
|---|---|---|---|
| Mobile Air 949 | Trenton | Londres | SGF 949 |
| Mobile Air 341 | Trenton | McMahon | SGH 341 |
| Mobile Air 386 | Trenton | Muzyka | SGP 386 |
| Mobile Air 644 | Trenton | Ochs | SGP 644 |
| Mobile Air 638 | Trenton | Weiss | SGW 638 |
| Mobile Air 343 | Trenton | Worteich | SGH 343 |
| Mobile Air 986 | Cherry Hill | Cameron | SGF 986 |
| Mobile Air 866 | Cherry Hill | Deal | SGS 866 |
| Mobile Air 961 | Cherry Hill | DiGenni | SGR 961 |
| Mobile Air 487 | Cherry Hill | England | SGF 487 |
| Mobile Air 983 | Cherry Hill | Hornikel | SGF 983 |
| Mobile Air 554 | Cherry Hill | Santora | SGW 554 |
| Mobile Air 416 | Springfield | Craft | SGF 416 |
| Mobile Air 438 | Springfield | Halloway | SGW 438 |
| Mobile Air 760 | Springfield | Papp | SGR 760 |
| Mobile Air 131 | Springfield | Pierce | SGP 131 |
| Mobile Air 125 | Springfield | Pratt | SGP 125 |
| Mobile Air 984 | Springfield | Weiner | SGF 984 |
| Mobile Air 119 | Springfield | Wexel | SGP 119 |
| Mobile Air 985 | Newark | Bara | SGF 985 |
| Mobile Air 361 | Newark | Castor | SGW 361 |
| Mobile Air 357 | Newark | Cleary | SGW 357 |
| Mobile Air 739 | Newark | Collins | SGW 739 |
| Mobile Air 868 | Newark | Jaggi | SGR 868 |
| Mobile Air 179 | Newark | Jahn | SGP 179 |

III. Division of Environmental Quality
Bureau of Radiation Protection

| Call Sign | Location | Person | Vehicle License No. |
|---|---|---|---|
| Mobile Rad. 1 | Trenton | Fisher | SGG-709 |
| Mobile Rad. 2 | Trenton | ____ | SGJ-734 |
| Mobile Rad. 3 | Trenton | ____ | SGG-932 |
| Mobile Rad. 4 | Trenton | ____ | SGG-220 |
| Mobile Rad. 5 | Trenton | Ross | SGG-344 |

(Mobile Rad.-2 is the Command Post Van)

IV. Division of Water Resources
Office of Specialized Services

| Call Sign | Location | Person | Vehicle License No. |
|---|---|---|---|
| Spill Mobile 1 | Trenton | Vernam | SGS-220 |
| Spill Mobile 2 | Trenton | McCone | SGN-125 |
| Spill Mobile 3 | Trenton | Faille | SGW-456 |
| Spill Mobile 4 | Trenton | Allen | SGW-454 |
| Spill Mobile 5 | Trenton | Birns | SGS-770 |
| Spill Mobile 6 | Trenton | Dalton | SGN-113 |
| Spill Mobile 7 | Trenton | ____ | |

(Spill Mobile - 7 is the Command Post Van)

V. Division of Marine Services
Bureau of Marine Law Enforcement

The following call signs will be used for all routine transmissions amongst Bureau personnel. The term "Marine Police" must precede the call sign on all other agency transmissions for a more positive identification.

Vehicles

| Call Sign | Location | Person | Vehicle License No. |
|---|---|---|---|
| Mobile Unit 001 | Trenton | Henry | CHF-761 |
| Mobile Unit 562 | Trenton | Heulitt | WEJ-967 |
| Mobile Unit 564 | No. Wildwood | | SGF-725 |
| Mobile Unit 567 | No. Wildwood | | SGM-630 |
| Mobile Unit 563 | No. Wildwood | | SGF-721 |
| Mobile Unit 565 | No. Wildwood | | SGG-154 |
| Mobile Unit 566 | No. Wildwood | | SGJ-550 |
| Mobile Unit 601 | No. Wildwood | | SGF-546 |
| Mobile Unit 602 | No. Wildwood | | SGG-712 |
| Mobile Unit 561 | Forked River | | SGM-221 |
| Mobile Unit 581 | Forked River | | SGM-621 |
| Mobile Unit 568 | Forked River | | SGG-836 |
| Mobile Unit 606 | Forked River | | SGC-330 |
| Mobile Unit 502 | Bivalve | | SGH-303 |
| Mobile Unit 503 | Bivalve | | SGM-648 |
| Mobile Unit 504 | No. Wildwood | | SGG-466 |
| Mobile Unit 506 | No. Wildwood | | SGM-643 |
| Mobile Unit 507 | Atlantic City | | SGP-683 |
| Mobile Unit 509 | Atlantic City | | SGM-640 |
| Mobile Unit 529 | Atlantic City | | SGH-955 |
| Mobile Unit 527 | Ship Bottom | | SGM-154 |
| Mobile Unit 528 | Ship Bottom | | SGM-641 |
| Mobile Unit 523 | Point Pleasant | | SGC-484 |
| Mobile Unit 524 | Point Pleasant | | SGC-497 |
| Mobile Unit 522 | Monmouth Beach | | SGG-153 |
| Mobile Unit 525 | Monmouth Beach | | SGM-634 |
| Mobile Unit 526 | Monmouth Beach | | SGP-198 |
| Mobile Unit 542 | Lake Hopatcong | | SGW-798 |
| Mobile Unit 543 | Lake Hopatcong | | SGG-155 |
| Mobile Unit 544 | Lake Hopatcong | | Snowmobil |
| Mobile Unit 546 | Lake Hopatcong | | Scrambler |

Vessels

| Call Sign | Location |
|---|---|
| Mobile Unit 006 | Trenton |
| Mobile Unit 007 | Trenton |
| Mobile Unit 024 | Trenton |
| Mobile Unit 029 | Forked River |
| Mobile Unit 401 | Forked River |

# PUBLIC SAFETY - CENTRAL

Send Public Safety and Special Emergency frequencies, radio system details and questions for Alabama, Arkansas, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Dakota, Oklahoma, South Dakota, Tennessee and Texas to: Mike Redman, P.O. Box 1177, St. Charles, MO 63301.

Send material and questions for Illinois, Indiana and Wisconsin to: John Arendt, 327 Boulder Hill Pass, Oswego, IL 60543.

Greetings and welcome to my final column for 1980. I'd like to give a hearty welcome to a prospective RCMA member- my daughter Jill Nicole, born September 5 at St. Charles, 7 pounds 12 ounces, and 22 inches in length. Mother and daughter and Jason and Jeanna are all fine, and many thanks for the congratulatory messages from so many of my RCMA friends. And it's almost Christmas, so Merry Christmas! Let's hope your stocking is filled with that Bearcat 300 or Regency K500 or maybe a DVP Descrambler!! Along with the Christmas season comes snow, and I'll devote a portion of this month's business to the highway maintenance channels so active during these times. Let's not forget House bill HR7747 concerning monitoring! At this writing, I've contacted my congressman and am awaiting further information and a copy of the Bill. He is on one of the committees where the Bill was in September when this was written. I would urge you to write your congressman concerning it, now that the elections are passed and our members in Congress will be getting back to work. If you're not sure who serves you in Congress, contact your library. Don't be embarrased- you can call anonymously. If you stop by there, borrow their copy of the Congressional Directory for the committee members on the Interstate & Foreign Commerce and the Judiciary Committees. If it's outdated, check the Congressional Quarterly for updates. One of the subcommittees of Interstate & Foreign Commerce is Communications, chaired by Lionel Van Deerlin of California, with ranking minority member James Collins of Texas. Be sure to get letters off to those folks, too. I'll have more information on this next month.

## Chapter Summary
## PS-Central

The Ohio Valley Chapter- contact Dave Nugent (IN-002), 2542 Birk Ave., Jasper Indiana, or call Dave at 812-482-2352.

The Chicago Area Chapter- contact Ed Sirovy (IL-004), 311 South Williams St., Westmont, Illinois, 60559 or call ED at 312-969-2856.

The St. Louis Area Chapter- contact me at the PO Box or call me at 314-946-4331.

If any of you in the area are interested in forming a chapter, but just don't know how to go about it, contact Ed Sirovy. He'll help you get started. Ed would like to help start a chapter in the Ohio-Michigan region. Interested? Contact Ed!

## Monitoring the Highway and Road Crews

Here are very brief summaries of channels used in the PS Central area:

Indiana: 47.28 Base, 47.36 Mobile

Texas: 47.18 Base (A), 47.06 Mobile (B)

Wisconsin: 47.32 Rptr., 151.04 Input

Kansas: 47.06, 47.12, 47.18, 151.10, 151.085

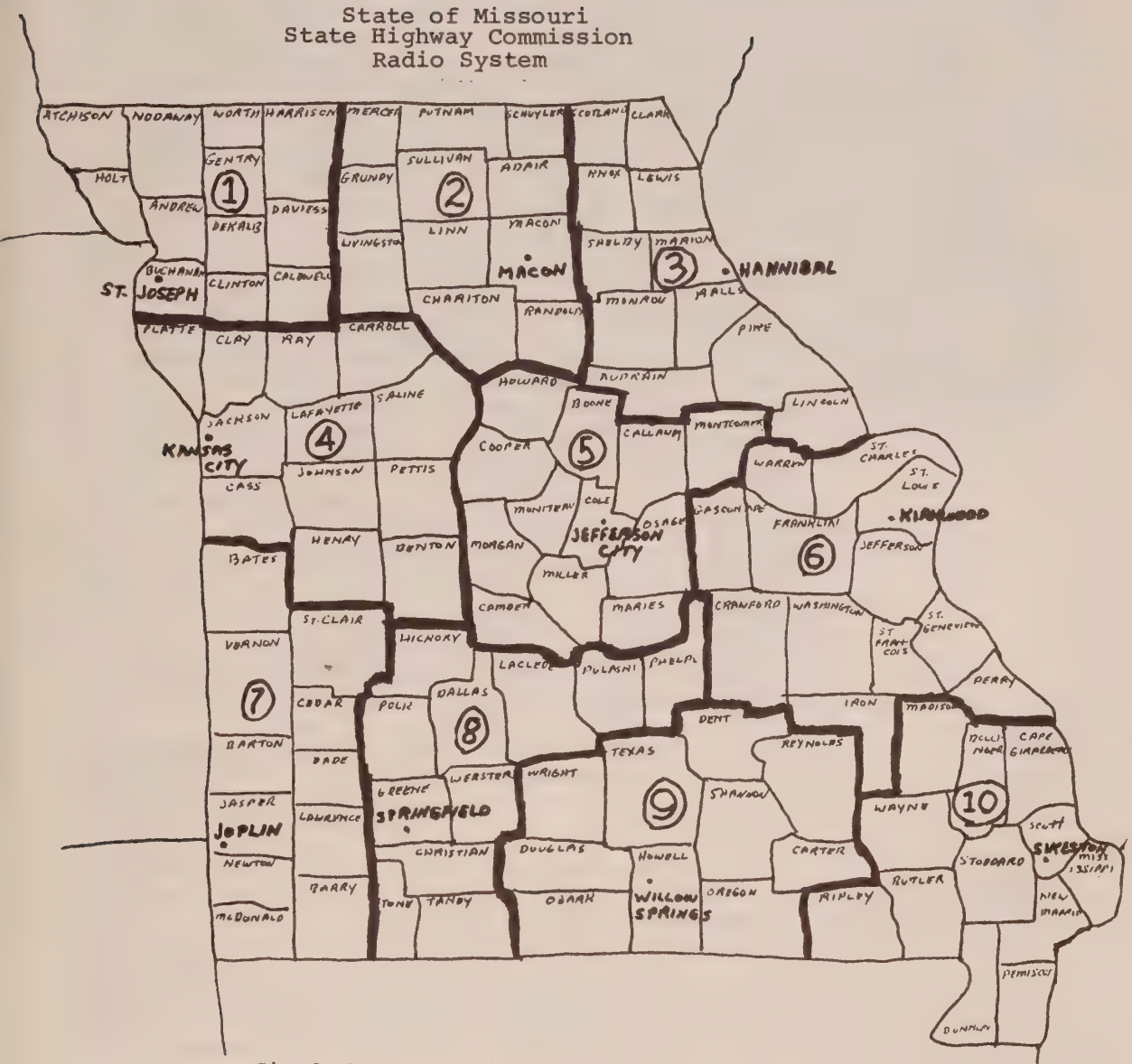
Alabama: 151.055

Illinois: 47.14, 47.30, 47.34, 47.38, 47.26 (IL to MO), 47.36 (IL to IN),

Chicago: 150.995, 156.72, 151.07, 151.10, 453.700

John Arendt will cover Illinois in a bit more detail next month, and of course a detailed account of Illinois' Highway can be found in the January 1980 Newsletter. If you're not sure where to look for this service, allocations are made in these ranges: 33.02-33.10, 37.90-37.98 45.68-45.84, 47.02-47.40, 150.995-151.13, 156.045-156.24, 158.985-159.195. Some of these are shared with other services.

State of Missouri
State Highway Commission
Radio System




Circled numbers indicate district numbers
Towns indicated are district headquarters

This is an all VHF high band network, with bases on 151.04, 151.07, and 151.13; and mobiles/control stations on 156.015, 156.045, and 156.135. Bases are on repeater with some microwave used between control points and base stations. Some districts are served by more than one base, and repeaters are selectable by CTCSS tones. Base station locations are not all known by the author, although base frequency use by district is correct. Mobile/Control frequencies are not always accurate as to their match to base station channels. In each district, the district number prefaces the unit number. For instance, all units in District 3 begin with 3. The three digit numbers you will hear are inspectors and ranking persons in the organization. Those highway trucks with radios are identified by the home 'shed' of the truck followed by a number. For example, Wentzville 1 to Wentzville 6 are maintenance trucks operating from the Wentzville shed. The number '1' is always the foreman; the number '6' is usually a mechanic. Signal maintenance trucks use the 3 digit numbers, again the first number is the district number. Judicious use is made of call

signs, and this may help you identify the location of the base. Since there is a district 10, there would be a conflict with 10-codes, so the 10 is replaced with "Code". "Ten-Four" becomes "Code-Four". Missouri State Highway Maintenance trucks are found on the air from 8 to 4 daily, and never work after hours or on weekends unless a dire emergency exists, or it snows. Usually one signal maintenance truck works after hours and on weekends. During winter snows, one can get truly accurate weather forecasts here- in District 6 these are aired daily at 4:00 PM.

I am not sure if this is true in all districts, but in District 6 the signal maintenance or "light truck" is called 689. 689 has a monitor in the truck on the State Police channel 42.06, and the State Patrol monitors the local highway repeater on 151.04. This allows cross channel use and allows the State Patrol to call the "light truck" after the business office is closed. This also allows the Patrol to contact the "light truck" as a relay point during severe winter weather when there is no dispatcher on duty at District 6. With all this in mind, here are the channels by district:

| District | District Office Call | Frequency | Call Sign |
|---|---|---|---|
| 1 | "Highway 1" | 151.13 R/156.135 M | |
| 2 | "Highway 2" | 151.04 R/156.045 M | |
| 3 | "Highway 3" | 151.07 R/156.015 M | KLD802 |
| 4 | "Highway 4" | 151.07 R/156.015 M | |
| 5 | "Highway 5" | 151.13 R/156.135 M | |
| 6 | "Highway 6" | 151.04 R/156.045 M | KFN618 |
| 7 | "Highway 7" | 151.13 R/156.135 M | |
| 8 | "Highway 8" | 151.04 R/156.045 M | |
| 9 | "Highway 9" | 151.07 R/156.015 M | |
| 10 | "Highway 10" | 151.13 R/156.135 M | KVI821 |

Mobile Call Signs: 156.045 & 156.135 KC6343; 156.015 KN5291

Now to sum up this article, here are some other highway maintenance channels in use in the Metropolitan St. Louis Area:

| | | | |
|---|---|---|---|
| St. Clair County Il.: | 45.80, 156.24 | Lincoln Co. Mo.: | 156.225 |
| Bond County Il.: | 151.055 | Washington Co. Mo.: | 156.225 |
| Greene County Il.: | 156.24 | | and 159.060 |
| Pike County Mo.: | 151.04 R/156.075 In | Jefferson Co. Mo.: | 156.165 |
| St. Charles Co. Mo.: | 159.105 | | and 159.135 |
| St. Louis County: | 151.10 R/37.92 In | | |
| St. Louis City | 156.18 R/45.92 In | | |

If any of you in the area of Missouri can pinpoint the input channels please write! I am only sure of Districts 3 and 8, and there is the possibility of multiple inputs since some districts are served by more than one repeater.

## TENNESSEE

All of this fine information was courtesy of the individual efforts of GARY (NC-013), RICHARD (TN-009), LARRY (TN-014), and JOHN (TN-005)

Tennessee State Patrol:
Clarksville Area:
Radar: 42.26, Car to Car: 42.28, Base to Car: 42.36, Admin: 45.56, Dispatch at Sladen: 45.62, and 156.21.
Chattanooga Area:
Car to Car, Base to Car: 42.42, Radar: 42.36, Executives & Base to Base: 42.28
Kinsport: 42.42, Signal Mountain: 42.56; InterAgency common: 37.26. (The above three channels are from Gary (NC-013), received as ground wave skip from Black Mountain North Carolina)
Tennessee Fish & Game Commission: 159.240. Statewide CD: 45.36.

Montgomery County:
Sheriff and Clarksville PD: 460.200, 460.350
Clarksville Fire: 154.16, Montgomery County Rescue Squad: 154.400
Austin Peay State University: 155.055, Montgomery County Amb.: 155.205
Clarksville Gas & Water: 155.760, CEMC (Power Coop): 37.540
Stewart County Sheriff: 460.025, Huston County Sheriff: 460.425
Dickson County Sheriff: 460.050, Dickson County Fire: 154.415
Springfield Fire: 45.12; Berry Hill, Dickson, Erin PD: 37.260
LBL Park: Rangers: 44.680, Administrative: 164.325

Intercity & Mutual Aid:
Intercity net: 155.370, base to base
Mutual Aid inter and intra department, 460.400 Repeaters

Memphis:
Memphis PD, KUO982 & KIC306. Channel 1 varys by Precinct, remainder are citywide in nature. Channels 4, 5, & 7 are often 'simulcast'. During weekend 'saturation traffic' patrol, on channel 4, this channel is removed from simulcast. Detectives can be 'paged' on F7.

| | | | | | |
|---|---|---|---|---|---|
| F1 | Central West Dispatch | 460.025 | F1 | South Dispatch | 460.300 |
| F1 | North Dispatch | 460.175 | F1 | East Dispatch | 460.325 |
| F2 | car to car citywide | 460.350 | F3 | Information (Sta. B) | 460.075 |
| F4 | Mutual Aid/Traffic | 460.400 | F5 | Detectives Dispatch | 460.225 |
| F6 | Disaster/Administrative | 460.500 | F7 | Detectives/Traffic | 460.125 |
| ? | Perhaps Tactical | 460.250 | F4 | Major Events | 158.850 |

Car Numbering System:

| | | | |
|---|---|---|---|
| 100 series | North Patrol | Air 1-6 | Metro Aviation units |
| 200 series | South Patrol | 1400 series | Radio Shop |
| 300 series | East Patrol | 1600 series | Narcotics units |
| 400 series | West/Central Patrol | 2300 series | Detectives |
| 500 series | Uniform Detectives | 2600 series | Vice |
| 600-649 | Traffic cycles | 3100 series | Crime Scene |
| 650-699 | Canine units | 5600-5700 | Traffic saturation |
| 700 series | Traffic | Whiskey units | Metro DWI squad |
| 978 | WMC Radio Copter | Whiskey 550 | Traffic Saturation Van |

Chattanooga:
Chattanooga PD divides the city into 4 sectors, Adam, Baker, Charlie, and David.

| | | | |
|---|---|---|---|
| A & D: | 460.350 | B & C: | 460.075 |
| car to car"SWAT" | 460.225 | Detectives | 460.475 |

Each sector is divided into seven districts, each assigned a patrol unit. A '400 series' code is used for dispatching- for a copy write to John Creel (TN-005), PO Box 1150, Chattanooga, Tennessee, 37401, and include a Self Addressed Stamped Envelope and a stamp or two.
Fire Dispatch: 154.220 Paging 154.250
A UHF Fire Dispatch system is expected soon. Ambulances: 155.205
Many thanks to Gary, Richard, Larry, and John!

## KENTUCKY

From RICHARD (TN-009):
State Police: Base to Car: 44.780, Car to Car: 42.620, Repeaters: 159.210.
Hopkinsville PD: 156.15 & 154.785
Christian County Sheriff/Oak Grove PD: 39.500

## TEXAS

Another installment by KEN (TX-003). This month Ken examines and summarizes statewide networks in Texas. Next month, Ken will complete his Texas package with a roster of State Police locations. We'll also continue with David (TX-032)'s comprehensive material in January.

Summary of widely used or statewide networks for the state of Texas.

| | | | |
|---|---|---|---|
| Statewide | DPS | 155.460 | B/M--Main DPS dispatch ch. Also used car to car. |
| | | 154.680 | M --main mobile to base. (paired w/ above) |

PUBLIC SAFETY - CENTRAL CONTINUED

| | | | |
|---|---|---|---|
| Selected areas | DPS | 159.090 R | DPS' VHF relays. Rebroadcasts DPS mobiles |
| | | 159.210 R | on 154.680. See text. |
| | | 154.665 CO | -Controls to operate remoted main freq |
| | | 154.695 CO | 155.460 base transmitters. See text. |
| Statewide | All agencies | 155.370 B | Intercity network, used for inter- |
| | | 154.950 M | agency communication. See text for details. |
| most areas statewide | EMS | 155.340 B/M | --Hospital/EMS most areas-- main |
| | | 155.280 B/M | -- " " " " --alternate. also used by TX Dept of Health. |
| various localities | LG/FD | 37.180 B/M | --commonly used in various areas for |
| | | 37.260 B/M | local govt ops. and in some areas for FD |
| Statewide | Game | 159.270 R | --Parks & Wildlife game wardens statewide repeater. Input=151.265. |
| Select area parks | Parks | 151.340 B/M | -- freq used in select parks. Active??? |
| mostly east Texas | Forestry | 31.42 | Texas Forestry Service |
| (details requested) | | 151.160 | " " " |
| | | 151.190 | " " " |
| | | 151.475 | " " " |
| | | 159.300 | " " " |
| | | 159.360 | " " " |
| | | 159.405 | " " " |
| | | 159.435 | " " " |
| | | 170.575 | " " " |
| Select areas around Dept of Corrections facilities | LG | 37.180 | Texas Dept of Corrections |
| | | 37.200 | " " " |
| | | 37.220 | " " " |
| (details requested) | | 37.260 | " " " |
| | | 153.755 | " " " |
| | | 153.785 | " " " |
| | | 153.815 | " " " |
| | | 153.905 | " " " |
| | | 153.965 | " " " |
| | | 154.055 | " " " |
| | | 154.085 | " " " |
| | | 154.115 | " " " |
| | | 154.995 | " " " |
| | | 155.025 | " " " |
| Statewide | Highways | 47.180 B/M | --ch. A-main Base/mobile |
| (units number requested) | details | 47.060 B | --ch. B- mostly base to base |
| | | 47.020 ? | -- use unknown. Licensed in select areas |
| | | 47.080 ? | -- use unknown. Licensed in select areas |

Now on to John Arendt, also filled with the Christmas Spirit. Be sure to see John's Station Photos elsewhere in this edition.

Greetings from the Chicago area. Although this column is designed for the December Newsletter, I insert the following statement, as the Newsletters have arrived in this area around the middle of the preceding month.

Don't forget the Chicago Area RCMA Members Meeting at Nancini's in Berkeley on Nov. 22nd. Meeting starts at 1300 hours. A good chance to renew friendships, etc. before the "Illinois winter" really sets in.

Now - time to move on to the "mailbag". Although a small amount of correspondence was received here during the month, some of it was very, very interesting and informative. I'll share the most important points with all of the membership, so here goes —

CHICAGO "OPERATION CRIMEWATCH" FREQ. Dick (IL-129) reports that 453.050 is being used by the Community Anticrime Program for the west side of Chicago. The call sign is given on the hour.

ADDITIONAL CHICAGO F.D. INFO. Mike (IL-014) reports an unusual frequency for monitoring during major fire alarm operations. The Salvation Army dispatches a "Canteen Truck" to locations of major fire alarm activity. Detailed information and descriptions of the fire are given out on the 461.500 rptr. freq. by the "Canteen Truck".

ANOTHER IL COUNTY GOES VHF. Fellow editor Mike Redman has observed the Fayette County S.D. on a new rptr. freq. of 155.685. (A good way to break in that new radio, Mike! You out-of-state help is always appreciated).

EARLVILLE, IL P.D. NEW FREQ. Allen (IL-032) advises that local dispatch operations have been set up on 155.490 using a mobile unit and a "battery eliminator" power supply. Call sign KSJ335 has been assigned. When the local dispatch freq. is not in use, the two patrol cars (LS986 and LS995) will be found on the LaSalle County S.D. "F2" of 155.145.

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Martin (IL-129) sent a large "package" of information in and I'll outline some of the highlights as follows:

IROQUOIS COUNTY, IL S.D. Present operations are on 39.50 (base-car and car-car) and on 39.78 (car-base). A new communications system is being installed - likely to be a 3-channel repeater system. More details when available.

KANKAKEE, IL AREA RIVER PATROL can be found on 39.50 with the call sign of KSZ929.

KANKAKEE COUNTY, IL ANIMAL CONTROL is dispatched thru the S.D. on 39.56 using the listed call sign KSB204.

WILL COUNTY, IL ANIMAL CONTROL is dispatched on the "local gov't. freq. of 155.760 using the listed call sign KSI571. Repeater in use.

KANKAKEE COUNTY, IL HWY. DEPT. can be found on 151.055 simplex using the call sign KCL403.

BOURBONNAIS, IL P.D. can be found on 39.56 "F1" with call sign KVM449. An "F3" (tactical) of 39.10 has the call sign KVM586. (Martin didn't give an "F2" but this edikor safely assumes that 39.50 is used).

Martin also sent on much detailed information about the Illinois State Police. He has made up "patrol maps" of Dists. 2, 5-5A, 6-6A, 8, 10, and 15 (2 sheets for Dist 15). Club members desiring this information should inquire with Martin. Please send a SASE to: Martin Bourgeois, Route 7, Box 8, Kankakee, Il. 60901.

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I've saved the biggest news for last. ILLINOIS STATE POLICE DIST. 17 TO BE CREATED. Allen (IL-032) has passed on details from 2 local newspapers advising that a new I.S.P. Dist. 17 is being created - arising out of the old Peru Dist. 5A. Exact boundaries are not yet known. A new headquarters (previously described in this column "for the old 5A") is to be built near the junction of I-80 and IL-351 (just north of Lasalle). District 17 is supposed to be operational by Dec. 1. Further details - inc. radio freq. info are to be made available later on and will be inserted into this column. (This editor believes that other changes are also pending!)

With that, I bring this month's column to a close. I offer these thoughts to fellow club members and other scanner enthusiasts everywhere:
Happy Holidays and Happy Monitoring!

# PUBLIC SAFETY - WEST

Send Public Safety and Special Emergency frequencies, radio system details and questions for Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming to: George Hoggatt, 17473 E. 16th Drive, Aurora, CO 80011.

**Send material and questions for California to: Eric Christensen, P.O. Box 272, Seal Beach, CA 91108.**

WELCOME TO THE DECEMBER 1980 ISSUE OF R.C.M.A. PUBLIC SAFETY-WEST: CALIFORNIA

Remember: Send all input for this column to: ERIC (CA-LA-045), P.O. Box 272, Seal Beach, California 90740. So far, member input has been EXTREMELY LOW!!

**********

From BOB (CA-OR-058):

LOS ANGELES COUNTY SHERIFF'S DEPARTMENT-UHF Radio System

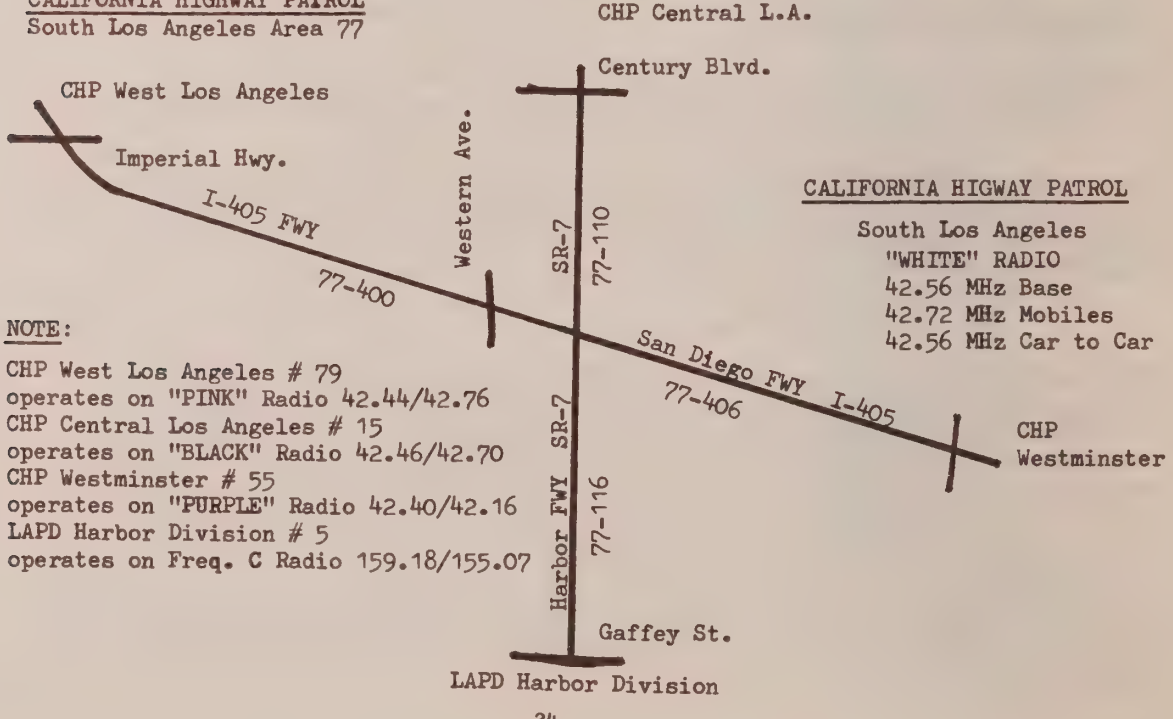
| Channel # | Frequency | Area/Usuage | Area |
|---|---|---|---|
| 1 | 470.6875 MHz | Patrol Tactical Channel | Countywide |
| 2 | 470.9375 | Detective | Countywide |
| 3 | 470.7375 | Detective | L.A. Basin |
| 4 | 470.7625 | Simplex-car to car | Simplex |
| 5 | 470.8375 | | So. West County |
| 6 | 470.8625 | | East County |
| 7 | 470.8875 | Dispatch | Lakewood Stn. # 13 |
| 8 | 470.9125 | | East County |
| 9 | 470.7875 | S.R.C. Access only-Paging & Emergency | Countywide |
| 10 | 470.8125 | | Antelope & Santa Clarita Valleys |

NOTE: UHF Channel # 4 is presently being used by Lakewood # 13 for Car to Car.
UHF Channel # 9 has push button for EMERGENCY-HELP signalling.
UHF Channel # 7 operates similar to regular 39 MHz dispatch channels, ie: base only is heard on 470.8875 MHz, while mobiles are heard on 473.8875 MHz. NO REPEATER is used in this mode.
S.R.C. (Sheriff's Radio Center) can "PATCH" any 39 MHz dispatch frequency or UHF Channel # 8 into a "repeat" mode, so that mobiles are automatically repeated over dispatch frequency. (Similar to most other repeater systems, similar to Orange County, Ca.) In normal dispatch operations, a "beap" tone is heard over the dispatch frequency while the dispatcher is copying traffic from a mobile unit. This is done to prevent another unit transmitting and covering the original unit's message.

**********

From ERIC (CA-LA-045) and MIKE (IDAHO-001):

CALIFORNIA HIGHWAY PATROL
South Los Angeles Area 77




CALIFORNIA HIGWAY PATROL
South Los Angeles
"WHITE" RADIO
42.56 MHz Base
42.72 MHz Mobiles
42.56 MHz Car to Car

NOTE:
CHP West Los Angeles # 79
operates on "PINK" Radio 42.44/42.76
CHP Central Los Angeles # 15
operates on "BLACK" Radio 42.46/42.70
CHP Westminster # 55
operates on "PURPLE" Radio 42.40/42.16
LAPD Harbor Division # 5
operates on Freq. C Radio 159.18/155.07

| CHAN | BASE | MOB | COUNTY | STA | AREA | CITY | DISP OFFICE | ZONE | ZONE OFFICE |
|---|---|---|---|---|---|---|---|---|---|
| GREY | 42.48 | 42.68 | PLACER (C) | 70 | GOLD RUN | DUTCH FLAT | TRUCKEE | II VALLEY | SACRAMENTO |
| | | | PLACER (E) | 80 | TRUCKEE | TRUCKEE | TRUCKEE | II VALLEY | SACRAMENTO |
| | | | SIERRA (E) | 80 | TRUCKEE | TRUCKEE | TRUCKEE | II VALLEY | SACRAMENTO |
| ORANGE | 42.88 | 42.66 | LA (EC) | 81 | BALDWIN PARK | BALDWIN PARK | LA | V SOUTHERN | LOS ANGELES |
| | | | LA (FE) | 84 | ONTARIO | ONTARIO | LA | VIII INLAND | SAN BERNARDINO |
| | | | MADERA | 66 | MADERA | MADERA | MERCED | IV CENTRAL | FRESNO |
| | | | MARIPOSA | 63 | MARIPOSA | MARIPOSA | MERCED | IV CENTRAL | FRESNO |
| | | | MERCED (E) | 64 | MERCED | MERCED | MERCED | IV CENTRAL | FRESNO |
| | | | MERCED (W) | 30 | LOS BANOS | LOS BANOS | MERCED | IV CENTRAL | FRESNO |
| | | | SAN BERNARDINO (FW) | 84 | ONTARIO | ONTARIO | LA | VIII INLAND | SAN BERNARDINO |
| | | | SAN DIEGO (S) | 87 | SAN DIEGO | SAN DIEGO | SAN DIEGO | VI BORDER | SAN DIEGO |
| | | | SONOMA | 17 | SANTA ROSA | SANTA ROSA | SANTA ROSA | III GOLDEN GATE | SAN FRANCISCO |
| PINK | 42.44 | 42.76 | FRESNO (W) | 88 | COALINGA | COALINGA | FRESNO | IV CENTRAL | FRESNO |
| | | | KINGS | 68 | HANFORD | HANFORD | FRESNO | IV CENTRAL | FRESNO |
| | | | LA (FW) | 109 | MALIBU | MALIBU | LA | V SOUTHERN | LOS ANGELES |
| | | | LA (W) | 79 | LA WEST | CULVER CITY | LA | V SOUTHERN | LOS ANGELES |
| | | | SAN FRANCISCO | 32 | SAN FRANCISCO | SAN FRANCISCO | SAN FRANCISCO | III GOLDEN GATE | SAN FRANCISCO |
| | | | TULARE (N) | 67 | VISALIA | VISALIA | FRESNO | IV CENTRAL | FRESNO |
| | | | TULARE (S) | 40 | PORTERVILLE | PORTERVILLE | FRESNO | IV CENTRAL | FRESNO |
| PURPLE | 42.40 | 42.16 | CONTRA COSTA | 19 | CONTRA COSTA | CONCORD | OAKLAND | III GOLDEN GATE | SAN FRANCISCO |
| | | | LA (SE) | 55 | WESTMINSTER | WESTMINSTER | SANTA ANA | VI BORDER | SAN DIEGO |
| | | | NAPA | 21 | NAPA | NAPA | OAKLAND | III GOLDEN GATE | SAN FRANCISCO |
| | | | ORANGE (N) | 86 | SANTA ANA | SANTA ANA | SANTA ANA | VI BORDER | SAN DIEGO |
| | | | ORANGE (NW) | 55 | WESTMINSTER | WESTMINSTER | SANTA ANA | VI BORDER | SAN DIEGO |
| | | | ORANGE (S) | 113 | CAPISTRANO | SAN JUAN CAPIST. | SANTA ANA | VI BORDER | SAN DIEGO |
| | | | SISKIYOU (NW) | 41 | YREKA | YREKA | YREKA | I NORTH | REDDING |
| | | | SISKIYOU (SE) | 52 | MT SHASTA | MT SHASTA | YREKA | I NORTH | REDDING |
| | | | SOLANO | 22 | FAIRFIELD | FAIRFIELD | OAKLAND | III GOLDEN GATE | SAN FRANCISCO |
| | | | VENTURA | 31 | VENTURA | VENTURA | VENTURA | VII COASTAL | SAN LUIS OBISPO |
| RED | 42.44 | 42.28 | COLUSA | 39 | WILLIAMS | WILLIAMS | REDDING | I NORTH | REDDING |
| | | | GLENN | 93 | WILLOWS | WILLOWS | REDDING | I NORTH | REDDING |
| | | | RIVERSIDE (C) | 76 | INDIO | INDIO | INDIO | VI BORDER | SAN DIEGO |
| | | | RIVERSIDE (E) | 6 | BLYTHE | BLYTHE | INDIO | VI BORDER | SAN DIEGO |
| | | | SHASTA | 37 | REDDING | REDDING | REDDING | I NORTH | REDDING |
| | | | TEHAMA | 36 | RED BLUFF | RED BLUFF | REDDING | I NORTH | REDDING |
| | | | TRINITY | 90 | TRINITY RIVER | WEAVERVILLE | REDDING | I NORTH | REDDING |
| SILVER | 42.08 | 42.28 | FRESNO (E) | 65 | FRESNO | FRESNO | FRESNO | IV CENTRAL | FRESNO |
| | | | LA (FN) | 102 | TEJON | FORT TEJON | LA | V SOUTHERN | LOS ANGELES |
| | | | LA (N) | 78 | NEWHALL | NEWHALL | LA | V SOUTHERN | LOS ANGELES |
| | | | LA (NE) | 89 | ANTELOPE VALLEY | LANCASTER | LA | VIII INLAND | SAN BERNARDINO |
| | | | MARIN | 34 | MARIN/GG BRIDGE | CORTE MADERA | SAN FRANCISCO | III GOLDEN GATE | SAN FRANCISCO |
| | | | SAN MATEO | 91 | REDWOOD CITY | REDWOOD CITY | SAN FRANCISCO | III GOLDEN GATE | SAN FRANCISCO |
| TAN | 42.42 | 42.84 | ALAMEDA (S) | 25 | HAYWARD | HAYWARD | OAKLAND | III GOLDEN GATE | SAN FRANCISCO |
| WHITE | 42.56 | 42.72 | ALPINE (SW) | 49 | SAN ANDREAS | SAN ANDREAS | STOCKTON | II VALLEY | SACRAMENTO |
| BLACK | 42.46 | 42.70 | LA (C) | 15 | LA CENTRAL | LOS ANGELES | LA | V SOUTHERN | LOS ANGELES |
| BLUE | 42.34 | 42.18 | IMPERIAL | 85 | EL CENTRO | EL CENTRO | EL CENTRO | VI BORDER | SAN DIEGO |
| | | | INYO | 72 | BISHOP | BISHOP | BISHOP | VIII INLAND | SAN BERNARDINO |
| | | | LASSEN | 38 | SUSANVILLE | SUSANVILLE | SUSANVILLE | I NORTH | REDDING |
| | | | MODOC | 60 | ALTURAS | ALTURAS | ALTURAS | I NORTH | REDDING |

| CHAN | BASE | MOB | COUNTY | STA | AREA | CITY | DISP OFFICE | ZONE | ZONE OFFICE |
|---|---|---|---|---|---|---|---|---|---|
| | | | MONO | 71 | BRIDGEPORT | BRIDGEPORT | BRIDGEPORT | VIII INLAND | SAN BERNARDINO |
| | | | PLUMAS | 20 | QUINCY | QUINCY | QUINCY | I NORTH | REDDING |
| | | | SAN JOAQUIN (S) | 103 | TRACY | TRACY | STOCKTON | II VALLEY | SACRAMENTO |
| | | | STANISLAUS | 48 | MODESTO | MODESTO | STOCKTON | IV CENTRAL | FRESNO |
| BROWN | 42.50 | 42.82 | BUTTE (N) | 104 | CHICO | CHICO | CHICO | II VALLEY | SACRAMENTO |
| | | | BUTTE (S) | 35 | OROVILLE | OROVILLE | CHICO | II VALLEY | SACRAMENTO |
| | | | KERN (W) | 69 | BAKERSFIELD | BAKERSFIELD | BAKERSFIELD | IV CENTRAL | FRESNO |
| | | | LA (NC) | 90 | GLENDALE | GLENDALE | LA | V SOUTHERN | LOS ANGELES |
| | | | LA (NW) | 56 | WEST VALLEY | VAN NUYS | LA | V SOUTHERN | LOS ANGELES |
| | | | SANTA CLARA (N) | 24 | SAN JOSE | SAN JOSE | SAN JOSE | III GOLDEN GATE | SAN FRANCISCO |
| | | | SUTTER | 43 | YUBA-SUTTER | YUBA CITY | CHICO | II VALLEY | SACRAMENTO |
| | | | YUBA | 43 | YUBA-SUTTER | YUBA CITY | CHICO | II VALLEY | SACRAMENTO |
| GOLD | 42.12 | 42.20 | ALAMEDA (N) | 96 | OAKLAND | OAKLAND | OAKLAND | III GOLDEN GATE | SAN FRANCISCO |
| | | | LA (E) | 82 | LA EAST | MONTEBELLO | LA | V SOUTHERN | LOS ANGELES |
| | | | LA (SC) | 83 | SANTA FE SPRINGS | SANTA FE SPRINGS | LA | V SOUTHERN | LOS ANGELES |
| | | | SACRAMENTO | 46 | SACRAMENTO | SACRAMENTO (N) | SACRAMENTO | II VALLEY | SACRAMENTO |
| | | | SACRAMENTO | 112 | SACRAMENTO | SACRAMENTO (S) | SACRAMENTO | II VALLEY | SACRAMENTO |
| | | | SAN DIEGO (E) | 108 | EL CAJON | EL CAJON | SAN DIEGO | VI BORDER | SAN DIEGO |
| | | | SAN DIEGO (N) | 92 | OCEANSIDE | OCEANSIDE | SAN DIEGO | VI BORDER | SAN DIEGO |
| GREEN | 42.54 | 42.24 | DEL NORTE | 95 | CRESCENT CITY | CRESCENT CITY | HUMBOLDT | I NORTH | REDDING |
| | | | EL DORADO (W) | 44 | PLACERVILLE | PLACERVILLE | SACRAMENTO | II VALLEY | SACRAMENTO |
| | | | HUMBOLDT (N) | 16 | HUMBOLDT | ARCATA | HUMBOLDT | I NORTH | REDDING |
| | | | HUMBOLDT (S) | 105 | GARBERVILLE | GARBERVILLE | HUMBOLDT | I NORTH | REDDING |
| | | | MONTEREY (N) | 27 | MONTEREY | SALINAS | MONTEREY | VII COASTAL | SAN LUIS OBISPO |
| | | | MONTEREY (S) | 8 | KING CITY | KING CITY | MONTEREY | VII COASTAL | SAN LUIS OBISPO |
| | | | NEVADA (W) | 42 | GRASS VALLEY | GRASS VALLEY | SACRAMENTO | II VALLEY | SACRAMENTO |
| | | | PLACER (W) | 45 | AUBURN | NEWCASTLE | SACRAMENTO | II VALLEY | SACRAMENTO |
| | | | RIVERSIDE (FW) | 74 | RIVERSIDE | RIVERSIDE | SAN BERNARDINO | VIII INLAND | SAN BERNARDINO |
| | | | RIVERSIDE (W) | 97 | BANNING | BANNING | SAN BERNARDINO | VI BORDER | SAN DIEGO |
| | | | SAN BENITO (N) | 23 | HOLLISTER/GILROY | SAN JUAN BAUTISTA | MONTEREY | VII COASTAL | SAN LUIS OBISPO |
| | | | SAN BENITO (S) | 8 | KING CITY | KING CITY | MONTEREY | VII COASTAL | SAN LUIS OBISPO |
| | | | SAN BERNARDINO (SW) | 101 | ARROWHEAD | RUNNING SPRINGS | SAN BERNARDINO | VIII INLAND | SAN BERNARDINO |
| | | | SAN BERNARDINO (W) | 75 | SAN BERNARDINO | SAN BERNARDINO | SAN BERNARDINO | VIII INLAND | SAN BERNARDINO |
| | | | SANTA BARBARA (S) | 29 | SANTA BARBARA | GOLETA | VENTURA | VII COASTAL | SAN LUIS OBISPO |
| | | | SANTA CLARA (S) | 23 | HOLLISTER/GILROY | SAN JUAN BAUTISTA | MONTEREY | VII COASTAL | SAN LUIS OBISPO |
| | | | SANTA CRUZ | 26 | SANTA CRUZ | SANTA CRUZ | MONTEREY | VII COASTAL | SAN LUIS OBISPO |
| | | | SIERRA (W) | 42 | GRASS VALLEY | GRASS VALLEY | SACRAMENTO | II VALLEY | SACRAMENTO |
| | | | YOLO | 47 | WOODLAND | WOODLAND | SACRAMENTO | II VALLEY | SACRAMENTO |
| GREY | 42.48 | 42.68 | ALPINE (NE) | 13 | LAKE VALLEY | MEYERS | TRUCKEE | II VALLEY | SACRAMENTO |
| | | | EL DORADO (E) | 13 | LAKE VALLEY | MEYERS | TRUCKEE | II VALLEY | SACRAMENTO |
| | | | NEVADA (E) | 80 | TRUCKEE | TRUCKEE | TRUCKEE | II VALLEY | SACRAMENTO |
| WHITE | 42.56 | 42.72 | AMADOR | 94 | JACKSON | JACKSON | STOCKTON | II VALLEY | SACRAMENTO |
| | | | CALAVERAS | 49 | SAN ANDREAS | SAN ANDREAS | STOCKTON | II VALLEY | SACRAMENTO |
| | | | KERN (E) | 59 | MOJAVE | MOJAVE | BARSTOW | VIII INLAND | SAN BERNARDINO |
| | | | LA (S) | 77 | LA SOUTH | GARDENA | LA | V SOUTHERN | LOS ANGELES |
| | | | LAKE | 7 | LAKEPORT | LAKEPORT | UKIAH | I NORTH | REDDING |
| | | | MENDOCINO | 18 | UKIAH | UKIAH | UKIAH | I NORTH | REDDING |
| | | | SAN BERNARDINO (NE) | 73 | BARSTOW/NEEDLES | BARSTOW | BARSTOW | VIII INLAND | SAN BERNARDINO |
| | | | SAN BERNARDINO (NW) | 12 | VICTORVILLE | VICTORVILLE | BARSTOW | VIII INLAND | SAN BERNARDINO |
| | | | SAN BERNARDINO (S) | 106 | TWENTYNINE PALMS | TWENTYNINE PALMS | BARSTOW | VIII INLAND | SAN BERNARDINO |
| | | | SAN JOAQUIN (N) | 62 | STOCKTON | STOCKTON | STOCKTON | II VALLEY | SACRAMENTO |
| | | | SAN LUIS OBISPO (N) | 9 | PASO ROBLES | TEMPLETON | SAN LUIS | VII COASTAL | SAN LUIS OBISPO |
| | | | SAN LUIS OBISPO (S) | 28 | SAN LUIS OBISPO | SAN LUIS OBISPO | SAN LUIS | VII COASTAL | SAN LUIS OBISPO |
| | | | SANTA BARBARA (N) | 14 | SANTA MARIA | SANTA MARIA | SAN LUIS | VII COASTAL | SAN LUIS OBISPO |
| | | | SANTA BARBARA (W) | 3 | BUELLTON | BUELLTON | SAN LUIS | VII COASTAL | SAN LUIS OBISPO |
| | | | TUOLUMNE | 61 | SONORA | SONORA | STOCKTON | IV CENTRAL | FRESNO |

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By Nathan Young
RCMA #FL-021

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( ARE INVITED )

# CANADA

Send Canadian frequency information, radio system details and other information relating to Canadian monitor radio listening and questions to: Robert Berezowski, 5832 Dalhousie Drive NW, Calgary, Alberta T3A 1T1 Canada.

Welcome to another Canadian column for December. As this is being written I have not yet received any input from the Canadian members. I hope that this will be rectified soon. Meanwhile we will continue with more of the same from last month.

In case you missed it last month Doug McDougall (CAN-041) is compiling a directory of seciable Canadian members. The list will be of members who want to correspond with other members by letter, phone, cassette or in person. The directory will only be sent to members listed in the directory. If anyone would like to be listed just send a self-addressed stamped business size envelope to the address below giving the following information:

(1) name, address, and membership number
(2) receiving equipment
(3) listening interests
(4) method(s) of correspondance (if by phone include number)

Douglas C. McDougall CAN-041
Apt. 408, 1830-11 Ave. S.W.
Calgary, Alberta T3C ON6

A couple of weeks ago the Calgary City Police installed on their Motorola UHF system an emergency beeper. When a crisis develops the dispatcher activates the beeper which signals to all units that the channel is reserved for emergency traffic only. The pattern of repetition indicates what the emergency is, like for example a bank alarm. Does any member know of a comparable system elsewhere? If you do, please write me about it as I would be very interested in it.

The following is the rest of the list for the Ottawa area that was published last month. I can't be sure of the original credit but it looks like Nick (CAN-039) gave it to Michael (CAN-017) who mailed it to RCMA.

| | | | |
|---|---|---|---|
| Ottawa | ABC Taxi | | 166.380 |
| Ottawa | Capitol Taxi | | 162.510 |
| Ottawa | Houle Taxi | | 171.030 |
| Ottawa | Rockland Taxi | | 150.295 |
| Ottawa | Desjardins Towing | | 162.360 |
| Ottawa | Mays Towing | | 451.600 |
| Ottawa | Sherwood Towing | | 167.190 |
| Ottawa | Ottawa Cablevision | | 162.210 |
| Ottawa | Beaver Asphalt | | 158.460 |
| Ottawa | Ottawa Ford Car Sales | | 451.325 |
| Ottawa | Ottawa Parking (Green Hornets) | | 155.400 |
| Ottawa | Cardinal Locks Marine Weather | | 161.650 |
| Ottawa | Iroquois Locks | | 156.550 |
| Ottawa | Provincial Sanitation | | 158.535 |
| Ottawa | Ottawa-Carleton Transportation | (images? -ed) | 432.825 |
| | | | 433.850 |
| Ottawa | National Museum | | 141.150 |
| | | | 153.620 |
| Ottawa | Environment Canada | | 151.860 |
| Ottawa | Agriculture Canada | | 162.090 |
| Ottawa | Ham | VE3 OCR | 146.850 |
| | | VE3 ORA | 146.880 |
| | | VE3 CRA | 146.940 |
| | | VE3 ARS | 147.300 |
| Hull | Ham | VE2 CSO | 146.700 |
| | | VE2 KOG | 147.360 |
| | | VE2 CRA | 443.300 |

CANADA CONTINUED

| | | | |
|---|---|---|---|
| Ottawa | Ontario Provincial Police | 1 | 166.680 |
| | | 2 | 171.210 |
| Ottawa | Canadian National Terminal | | 160.365 |
| | Ottawa Dispatch | | 160.935 |
| | Yards | | 161.025 |
| | End-to-End | | 161.415 |
| | Patrol | | 161.665 |
| Ottawa | Canadian Pacific Police | | 160.845 |
| | Car | | 160.775 |
| | Yard Control (Duplex) | | 160.815 |
| | Yards | | 161.115 |
| | End-to-End | | 161.475 |
| Aylmer-Lucerne | Police Dept. | 1 | 154.650 |
| | | 2 | 153.880 |
| | | 3 | 153.950 |
| Beacon Hill-Orlean | Fire Dept. | | 155.040 |
| Carleton | Carleton Place Security | | 151.505 |
| Carleton | Carleton School Bus Service | | 164.925 |
| Gatineau | Police Dept. | 1 | 153.980 |
| | | 2 | 154.570 |
| | | 3 | 169.290 |
| | | 4 | 169.890 |
| Gloucester | Police Dept. | | 158.790 |
| | | | 164.035 |
| | Fire Dept. | | 153.830 |
| Hull | Police Dept. | 1 | 154.680 |
| | | 2 | 154.115 |
| | | 3 | 154.770 |
| | | 4 | 154.205 |
| Nepean | Police Dept. | | 139.800 |
| | | | 154.280 |
| Ontario | Ontario Dept. of Highways | | 158.760 |
| Vanier | Police Dept. | | 163.780 |
| | Fire Dept. | | 155.760 |

Thanks a lot Nick and Michael for that interesting selection of frequencies from our nation's capital. The following civil defence frequencies I have included this month are from correspondance with various members. You will notice that several frequencies are common for several agencies. These frequencies might be worth watching in your area on the chance that your local disaster services agency is assigned there.

| | | | | | | |
|---|---|---|---|---|---|---|
| British Columbia | | | | | | |
| Provincial | 149.525 | 148.655 | 148.685 | 148.670 | 149.495 | |
| Vancouver | 158.910 | | | | | |
| Alberta | | | | | | |
| Calgary | 148.655 | 149.495 | | | | |
| Ontario | | | | | | |
| Provincial | 149.495 | 149.525 | 154.920 | | | |
| Hamilton | 148.665 | | | | | |
| Ottawa | 149.050 | 148.990 | 149.525 | 149.620 | 149.710 | 149.740 |
| Toronto | 149.440 | | | | | |
| Windsor | 148.655 | 148.685 | | | | |
| Quebec | | | | | | |
| Quebec City | 148.655 | 149.470 | 149.495 | 149.525 | | |
| Montreal | 148.655 | 148.685 | 149.440 | 149.495 | | |

Because of the sporadic use of the above frequencies it is hard to verify the agency. I hope they are useful for your searches.

The following British Columbia frequencies were compiled from two lists. I don't know the names of the contributors because they were lost in the shuffle, but I think one is from Dave (CAN-027). Anyway here goes.

| | | |
|---|---|---|
| Burnaby | RCMP Dispatch Primary (R) | 142.545 |
| | Info Secondary (R) | 142.935 |
| | TAC 2 | 139.260 |
| Canada Immigration | (R) | 461.6625 |
| Coquitlam | RCMP Dispatch (R) | 142.125 |
| | Info (R) | 142.815 |
| | TAC 2 | 139.320 |

CANADA CONTINUED

| | | | |
|---|---|---|---|
| Delta | Police Dept. (R) | | 159.150 |
| Freeway RCMP | Dispatch #1 (R) | | 140.130 |
| | #2 (R) | | 142.035 |
| | | (typo?-ed) | 143.035 |
| | Special | | 139.290 |
| Langley | RCMP | | 139.140 |
| Maple Ridge | RCMP (R) | | 141.500 |
| Matsqui | Police Dept. | | 154.890 |
| National Harbours Board Police | | | 168.990 |
| New Westminister Police Dept. | | | 155.790 |
| North Vancouver RCMP Dispatch | | (R out) | 142.275 |
| | | (R in ) | 138.495 |
| | Info | (R) | 142.215 |
| | TAC 2 | | 139.410 |
| Port Moody | Police Dept. | | 139.800 |
| RCMP | F-5 Area Dispatch | | 155.130 |
| | F-6 Area Dispatch | | 155.295 |
| | F-7 Area Dispatch | | 155.505 |
| | F-8 Area Dispatch | | 155.985 |
| | F-9 Area Dispatch | | 155.640 |
| | F-10 Area Dispatch | | 155.745 |
| | F-11 Area Dispatch | | 155.325 |
| | F-12 Area Dispatch | | 155.700 |
| | F-13 Metro Common Dispatch | | 155.595 |
| | F-13 Area Dispatch | | 155.880 |
| | F-14 Metro Common Dispatch | | 139.350 |
| | F-15 Data Access (CPIC) | | B139.680 |
| | | | M140.670 |
| | F-16 Tactical Net 1 | | 139.080 |
| | F-17 Tactical Net 2 | | 139.260 |
| | F-17 Tactical Net | | 155.400 |
| | F-18 Detective Bureau | | 155.175 |
| | F-19 Detective Bureau | | 139.290 |
| | F-19 Area Dispatch | | 155.790 |
| | F-20 Emergency & A.P.B.'s | | 139.170 |
| | Administration | | 159.030 |
| | Stakeout | | 461.550 |
| | Repeater Net (input 154.950) | | 155.670 |
| | Vancouver Island Dispatchers | (R) | 153.800 |
| | " " " | | 153.980 |
| | Special | | 139.470 |
| | " | | 139.740 |
| | " | | 139.920 |
| | " | | 140.010 |
| | TAC 1 (Interdetachment use) | | 139.080 |
| Richmond | RCMP Dispatch (R) | (R out) | 142.185 |
| | | (R in) | 138.195 |
| | Info (R) | | 142.785 |
| | TAC 2 | | 139.380 |
| Squamish | RCMP Dispatch | | 139.350 |
| Surrey | RCMP Dispatch | (R) | 142.305 |
| | | (R) | 138.795 |
| | | (M) | 142.455 |
| | Info | (R) | 142.755 |
| | TAC 2 | | 139.440 |

(For the Surrey RCMP Dispatch frequencies the two lists I have conflict with each other. I will print both assuming one is right, maybe both are. I would appreciate having someone write to me if they have the correct channels for Surrey and can vouch for them -ed)

I am going to have to leave you with that for now. Next month I'll finish off the B.C. list. Meantime I still want to hear from you with any comments, suggestions, or contributions. Until next month, merry monitoring!

# International

Richard Stein, Editor

This column is for reporting two-way communications frequencies above 30 MHz, radio system details, monitoring experiences and any other information relating to monitoring in countries other than the United States and Canada.

Send to: Richard Stein, 456 Barrymore Pl., North Brunswick, NJ 08902.

### ••• SX-200 AGAIN •••

I've had a mountain of correspondence about the SX-200 receiver. All that we know about the receiver has been published. I have written JIL in an attempt to learn more about the radio. We also hope to obtain a unit for testing and comparison by RCMA members. To date, all the reports concerning existing JIL scanners (SX-100/A) have been negative with the exception of one by member Lybrand (CA-LA-157) and even that one was tentative. In an attempt to be fair, I will print any reply I receive from JIL. Members requesting information about the radio from me directly should enclose a SASE for reply.

### ••• FOREIGN FREQS •••

Let's move on to foreign stations. As those of us who do low band FOREIGN skip know, identification of these signals can prove very frustrating and next to impossible to pinpoint. One has to deal with both a multitude of foreign languages and lack of IDs. A case in point is a 90 minute cassette of foreign skip sent to me by George (OR-001). I listened to an array of unknown tongues and dialects, understanding only one in English and two in Spanish. There were also four cuts that both George and I thought sounded like Japanese. Well, after getting someone to listen to this Japanese, three were, in fact, not Japanese, and the fourth had no material that would ID the sender. That's frustrating.

I had a bit more luck today with the following two bits of skip:

40.855 Oil Drillers, Bucaramanga, COLUMBIA, English and Spanish
other bases: 'Barranca','Galán', 'Planta','Plata'

40.390 prob. Secretaría de Agricultura y Recursos Hidraúlicos, Guadalajara, MEXICO, Spanish
other bases: 'Central', 'Desarrollo', 'Guadalajara'
this has been confirmed by a former resident

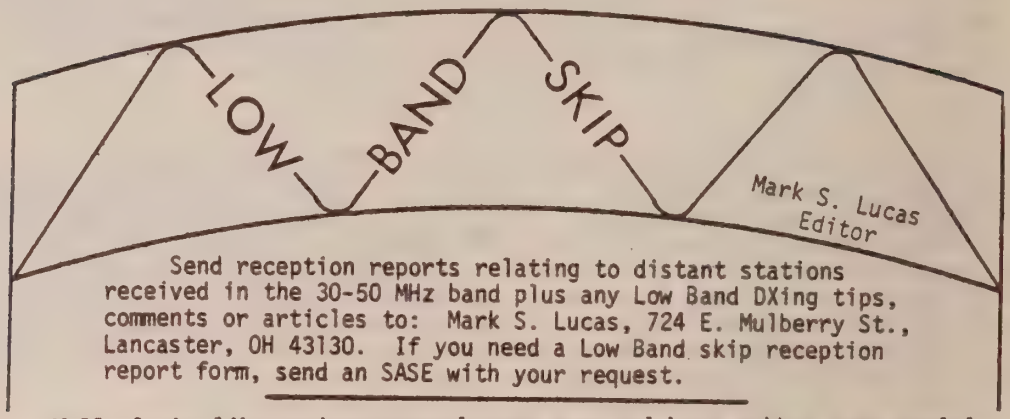
### ••• U.S. VIRGIN ISLANDS •••

From a list sent to me by John Clark:

| | | FIRE | FREQS |
|---|---|---|---|
| 153.980 | Christiansted | BA | KRL298 |
| | St. Thomas | MO | KE3366 |
| | Tutu | MR | WBT63 |
| 154.010 | Capitan | MR | WLS99 |
| | Charlotte Amalie | MR/CO | WBT62 |
| | Coral Bay | CO | WDF854 |
| | Christensted | MR | WSQ78 |
| | Cotton Valley | MR | WDA75 |
| | Cruz Bay | MR | WSQ77 |
| | Estate Tutu | MR | WSQ79 |
| | Frederiksted | BA | KRL301 |

| | | |
|---|---|---|
| Grove Place | MR | WAE788 |
| Rfoeriskted | CO | KVS21 |
| St. Thomas | TB | KJI452 |
| St. Thomas | MO | KE3366 |

more on this next month.... להתראות




Send reception reports relating to distant stations received in the 30-50 MHz band plus any Low Band DXing tips, comments or articles to: Mark S. Lucas, 724 E. Mulberry St., Lancaster, OH 43130. If you need a Low Band skip reception report form, send an SASE with your request.

Well, looks like we have opened some eyes and have gotten some needed feedback from some of our fellow members. That's great! So where are the rest of you out in scannerland? If you wish, I'll let one or two regulars rule this column, but I don't think you'd go for that too long. So let's go.

FROM TOM (PA-003): "In response to ANDY (GA-015) and his query in the September newsletter, he is hearing fire departments from the Erie, PA area.

"Millcreek Fire Control dispatches 10 volunteer departments around the city of Erie. Harborcreek is one of them. "C-1" refers to the chief.

"The '901' he hears is KQT 901, Crawford County Fire Control, which is south of Erie. This agency dispatches 28 volunteer departments for the entire county.

"33.98 MHz is used by all of the above agencies and dispatch centers. Also, KBK 521 on 33.86 is Richfield, Ohio FD."

And now, for some REAL Tropo, let's go to Robert (NY-003):

| | | | | | | |
|---|---|---|---|---|---|---|
| | 154.13 MHz | KSC 711 | NO ID | | FIRE | |
| BASE | Regency ACTR-10 | | 8-26-80 | 2250 EDT | Chicago,Ill | 530 Miles |
| | 154.31 MHz | KQA 205 | "Central" | | FIRE | |
| BASE | Regency ACTR-10 | | 8-25-80 | 0110 EDT | Detroit,Mich. | 300 Miles |
| | 154.13 MHz | KGA 519 | "Fire Alarm" | | FIRE | |
| BASE | Regency ACTR-10 | | 8-26-80 | 2000 EDT | Pittsburgh,PA | 250 Miles |

From Robert (MD-029): "Andy (GA-015) listed a few receptions which I can ID:
6-29-80 2330 EDT 33.90 MHz. This is Lancaster County, PA Fire Dispatch. KGC 755.
6-29-80 2300 EDT 33.86 MHz. This is Washington County, MD Fire Dispatch. KGC 676.
6-29-80 2214 EDT 33.86 MHz. This is Salem County, N.J. Fire. KEE 873.
6-29-80 2302 EDT 33.98 MHz. This is East Stroudsburg,PA. KWH 498.

| | | | | | | |
|---|---|---|---|---|---|---|
| | FROM GARY (IL-073): | 37.10 MHz | KKH-300 | "KKH-300" | POLICE | |
| BASE | BC-250 | 8-11-80 | 1130 CDT | Bentonville,Arkansas | 331 Miles | |
| | | 37.18 MHz | KAY 534 | "Cook Co. S.O." | POLICE | |
| BASE | BC-250 | 8-09-80 | 1244 CDT | Gainesville, Texas | 583 Miles | |
| | | 39.90 MHz | WRA 568 | "WRA 568" | L. Govt. | |
| BASE | BC-250 | 8-06-80 | 1130 CDT | Crawford, Nebraska | 731 Miles | |
| | | 39.94 MHz | KWX 375 | "KWX 375" | POLICE | |
| BASE | BC-250 | 8-06-80 | 1056 CDT | Osceola (Polk Co.), Neb. | 418 Miles | |
| | | 33.50 MHz | KCD 375 | "Walpole" | FIRE | |
| BASE | BC-250 | 7-29-80 | 2155 CDT | Walpole, Mass | 940 Miles | |
| | | 33.70 MHz | KCD 246 | "KCD 246" | FIRE | |
| BASE | BC-250 | 7-17-80 | 0849 CDT | Yarmouth, Mass. | 1000 Miles | |
| | | 33.78 MHz | KJL 346 | "KJL 346" | FIRE | |
| BASE | BC-250 | 7-20-80 | 2400 CDT | Seaford, Delaware | 740 Miles | |
| | | 33.80 MHz | KCD 346 | "KCD 346" | FIRE | |

LOW BAND SKIP CONTINUED

| | | | | | | |
|---|---|---|---|---|---|---|
| BASE | BC-250 | 7-17-80 | 0818 CDT | Tolland, CT. | 896 Miles | |
| | | | 33.82 MHz | KVM 303 | "Nimishillen Control" | FIRE |
| BASE | BC-250 | 7-21-80 | 1131 CDT | Nimishillen TWP, Ohio | 444 Miles | |
| | | | 33.82 MHz | KEF 984 | "KEF 984" | FIRE |
| BASE | BC-250 | 7-29-80 | 1139 CDT | Iselin (Middlesex CO.), N.J. | 792 Miles | |
| | | | 33.86 MHz | KCA 706 | "KCA 706" | FIRE |
| BASE | BC-250 | 7-17-80 | 1314 CDT | Worcester, Mass. | 922 Miles | |
| | | | 33.86 MHz | KCF 595 | "Danbury Hosp." | FIRE |
| BASE | BC-250 | 7-19-80 | 2119 CDT | Danbury (Fairfield CO),CT. | 835 Miles | |
| | | | 33.86 MHz | KJY 884 | "West Chester,PA" | FIRE |
| BASE | BC-250 | 7-21-80 | 2300 CDT | West Chester, PA. | 740 Miles | |
| | | | 33.90 MHz | KYD 777 | "Station T to R1" | FIRE |
| BASE | BC-250 | 7-17-80 | 0815 CDT | Stonington, CT. | 922 Miles | |
| | | | 37.04 MHz | KKS 237 | "Waldron PD" | POLICE |
| BASE | BC-250 | 7-17-80 | 2026 CDT | Waldron (Scott CO) Arkansas | 409 Miles | |
| | | | 37.10 MHz | KSO 592 | "Station KSO 592" | L. Govt. |
| BASE | BC-250 | 7-21-80 | 1041 CDT | Washington, D.C. | 661 Miles | |
| | | | 37.12 MHz | KSK 942 | "Dallas CO. S.O." | POLICE |
| BASE | BC-250 | 7-17-80 | 2103 CDT | Fordyce, Arkansas | 435 Miles | |
| | | | 37.18 MHz | KBF 866 | "McKinney FD" | FIRE |
| BASE | BC-250 | 7-17-80 | 1700 CDT | McKinney, Texas | 592 Miles | |
| | | | 37.18 MHz | KKG 652 | "Yoakum PD" | POLICE |
| BASE | BC-250 | 7-31-80 | 1315 CDT | Yoakum, Texas | 826 Miles | |
| | | | 37.20 MHz | KKA 778 | "Jefferson Co." | POLICE |
| BASE | BC-250 | 7-17-80 | 1932 CDT | Pine Bluff,Arkansas | 400 Miles | |
| | | | 37.24 MHz | KKJ 300 | "Hamburg" | POLICE |
| BASE | BC-250 | 7-17-80 | 1934 CDT | Hamburg (Ashley CO.),Arkansas | 461 Miles | |
| | | | 37.24 MHz | KKS 237 | "Scott County" | POLICE |
| B/M | BC-250 | 7-17-80 | 1646 CDT | Waldron,Arkansas | 409 Miles | |
| | | | 37.26 MHz | KGB 397 | "KGB 397" | L. Govt. |
| BASE | BC-250 | 7-17-80 | 2001 CDT | Milton, Pennsylvania | 661 Miles | |
| | | | 39.10 MHz | KGD 631 | "Centreville" | State PD |
| BASE | BC-250 | 7-06-80 | 2031 CDT | Centreville, MD | 705 Miles | |
| | | | 39.12 MHz | KZM 826 | "KZM 826" | State PD |
| BASE | BC-250 | 7-17-80 | 1430 CDT | Greanville, Virginia | 566 Miles | |
| | | | 39.12 MHz | KEM 569 | "KEM 569" | State PD |
| BASE | BC-250 | 7-17-80 | 1435 CDT | Capron, Virginia | 687 Miles | |
| | | | 39.30 MHz | KKC 594 | "594 to LA-15" | State PD |
| BASE | BC-250 | 7-17-80 | 2129 CDT | Monroe,Louisiana | 513 Miles | |
| | | | 39.30 MHz | KKA 720 | "Troup G" | State PD |
| BASE | BC-250 | 7-17-80 | 2131 CDT | Bossier City, Louisiana | 539 Miles | |
| | | | 39.44 MHz | KVD 499 | "499 Clear" | POLICE |
| BASE | BC-250 | 7-06-80 | 1106 CDT | Lancaster (Lancaster CO.),VA. | 713 Miles | |
| | | | 39.44 MHz | KKY 988 | "KKY 988" | POLICE |
| BASE | BC-250 | 7-19-80 | 0843 CDT | Galliano (Lafourche Parish), LA. | | |
| | | | 39.50 MHz | KEB 410 | "KEB 410" | POLICE |
| BASE | BC-250 | 7-15-80 | 0952 CDT | Auburn, N.Y. | 696 Miles | |
| | | | 39.50 MHz | KWV 571 | "Donaldsonville" | POLICE |
| BASE | BC-250 | 7-17-80 | 1143 CDT | Donaldsonville,Louisiana | 661 Miles | |
| | | | 39.54 MHz | KIG 418 | "Giles CO. Sheriff" | SHERIFF |
| BASE | BC -250 | 7-17-80 | 1344 CDT | Pearisburg,Virginia | 496 Miles | |
| | | | 39.56 MHz | NO CALL | "Boseman Sheriff" | SHERIFF |
| BASE | BC-250 | 7-31-80 | 1834 CDT | Bozeman (Gallatin CO.),Montana | 1131 Mile | |
| | | | 39.68 MHz | WXF 996 | "996 to Harbor 1" | POLICE |
| B/M | BC-250 | 7-06-80 | 1259 CDT | Harbor Springs,Michigan | 452 Miles | |
| | | | 39.72 MHz | KED 614 | "Covington" | POLICE |
| BASE | BC-250 | 7-19-80 | 2011 CDT | Covington (ST. Tammany Parish), LA | | |
| | | | 39.74 MHz | KKO 742 | "Monroe KKO 742" | POLICE |
| BASE | BC-250 | 7-17-80 | 1614 CDT | Monroe (Ouachita Parish),LA | 513 Miles | |
| | | | 39.82 MHz | KBW 780 | "Roscommon PD" | POLICE |
| BASE | BC-250 | 7-06-80 | 1231 CDT | Roscommon CO.,Michigan | 400 Miles | |
| | | | 39.82 MHz | KIZ 334 | "KIZ 344" | L. Govt. |
| BASE | BC-250 | 7-06-80 | 1232 CDT | Atlanta (Montmorency CO.),Mich. | | |
| | | | 39.90 MHz | KLE 915 | "KLE 915 Out" | Corrections |
| BASE | BC-250 | 7-19-80 | 2324 CDT | New York City,N.Y. | 809 Miles | |
| | | | 39.98 MHz | KSW 980 | "KSW 980" | L. Govt. |

LOW BAND SKIP CONTINUED

| | | | | | |
|---|---|---|---|---|---|
| B/M | BC-250 | 7-17-80 | 1618 CDT | Pine Bluff (Jefferson CO.),Arkansas | |
| | | | 42.06 MHz | KAA 203 "Kirkwood" | State PD |
| BASE | BC-250 | 7-29-80 | 1153 CDT | Kirkwood, Missouri | |
| | | | 42.12 MHz | KAB 302 "Jefferson City" | State PD |
| BASE | BC-250 | 7-29-80 | 1154 CDT | Jefferson City, Missouri | 165 Miles |
| | | | 45.18 MHz | KLU 464 "York County" | POLICE |
| BASE | BC-250 | 7-21-80 | 1007 CDT | York (York CO.),Pennsylvania | |
| | | | 45.22 MHz | KKC 475 "Brookhaven MSP" | State PD |
| BASE | BC-250 | 7-21-80 | 2103 CDT | Brookhaven, MISS. | 566 Miles |
| | | | 46.06 MHz | KEC 990 "KEC 990" | FIRE |
| BASE | BC-250 | 7-17-80 | 1901 CDT | Lockport (Niagara CO.), N.Y. | |
| | | | 46.20 MHz | KED 723 "Niskayuna" | FIRE |
| BASE | BC-250 | 7-21-80 | 1022 CDT | Niskayuna (Schenectady CO.),N.Y. | |

Also, GARY needs some assistance on the following:

| | | | | | |
|---|---|---|---|---|---|
| | | | 37.18 MHz | KKR-219 "KKR 219" | SERVICE?? |
| BASE | BC-250 | 7-21-80 | 2111 CDT | (Possibly in TEXAS???) | |

A very monumentoud listing for this month. Will it continue? Only Y O U can answer by your contributions. Shall I hear from you soon?

For the new members, logging sheets can be had for a SASE from me. PLEASE specify how many you desire, and PLEASE send ONLY a legal size envelope! That would be your standard 11 inch size. Any smaller or larger size envelope may cost postage due,which is not too great!

For the "elder" members amoung us, (Tenure in club-not age!) if you insist quoting from "POLICE CALL", please state what year. 1976? 1980? Also, could you substantiate that claim by actually hearing that station KZZ 000 yourself? Let's face it, it's too darned easy to open up a "POLICE CALL" and recite from it. The entire RCMA exists only from your personal input. I hope this column is no diffement. I hope this clears up loose ends for all the members who have or plan to contribute to this column. So, "hear" from you all next month!

# FCC TOPICS

George DuBois, Editor

Send FCC news and information of interest that relates to two-way communications above 30 MHz and questions regarding the FCC Rules and Regulations to: George DuBois, 10048 NE Campaign, Portland, OR 97220.

The FCC has abolished the last vestiges of the Chicago Land Mobile Spectrum Management region. Among other functions the Spectrum Management Task Force was designed to establish a data base for channel usage studies. FCC Form 425 was adopted for license applications for all frequencies below 950 mHz. in the portions of the six-state area and for T-band applications elsewhere. In September, 1975 most functions were transferred to the Private Radio Bureau. Effective September, 1980, all references to the SMTF will be deleted from Parts 1, 90, and 95 (GMRS), and Form 400 will be used for all license applications.

To speed processing of applications in the Domestic Public Land Mobile Radio Service (mobile phone, paging, etc.), applicants must now state explicitly whether there are any other stations on the same channel within the established mileage separation area and, if so, submit interference studies showing no harm will occur to the other stations. This will eliminate delays for applications where the Commission is unable to determine on it's own where co-channel interference may occur.

The FCC has stayed the comment period deadline regarding the proposed new 929 to 932 mHz. paging channels. A supplemental notice on alternate frequency allocation was intended to be announced and

the new comment period will apply to both proposals when it is released. There's a lot going on behind the scene here. Seems Uncle Sam wants some space in the 900 mHz. area too, for fixed service.

Temporary licensing was approved for new applicants in the Business Radio Service. The original proposal asked to allow new users to be allowed temporary licenses to use existing, shared repeaters on UHF. The Commission decided to expand this to include shared, existing base stations on the VHF bands, too. FCC Form 572 is filled out and posted at the operating position, similar to CB temporary licensing. It is valid 180 days. The callsign will be the letters WT, followed by the applicants seven-digit local phone number. The exception is along the Canadian border, since ITU regulations do not permit such "unlicensed" operation of transmitters over five watts.

Although I try to stick to rulemaking matters, I came across an interesting situation recently. Tony's Truck Tire Repair in New Jersey applied for a license in the Business Radio Service for an 800 mHz. trunked system. It seems this is the same party that was cited for unlicensed operation on unnamed VHF frequencies from an unknown date in early 1979 through July 1979 by the FCC's New York City Field Operations Bureau. Evidently they caused considerable interference to a radio system used by IRS Internal Security employees in Newark, NJ. His Business Radio Service application was bound over for hearing "to determine if the applicant possesses the requisite character qualifications to receive a grant of his application".

A proposal to allow bio-medical telemetry on the VHF-hi band Special Emergency Radio Service channels was introduced in response to a petition by the State of Missouri Dept. of Social Services. As Missouri stated in their petition, "many rural communities are trying to develop better and more effective EMS capabilities...The Commissions regulations now limit communications necessary to use new capabilities to the UHF Med channels...UHF channels just for telemetry may be appropriate for urbanized America, but VHF for ambulance-to-hospital communications is all that is needed in our rural areas". Specifically, the Commissions proposal will allow bio-medical telemetry on the five Special Emergency channels available exclusively for medical services (155.325,.34,.355,.385,.400), in areas at least 75 miles from the 50 largest urban areas.

Part 90.175 was amended to require frequency coordination for users of digital modulation (F3Y) in the Public Safety Services. As pointed out by APCO (the Associated Public-Safety Communications Officers), digital modulation on a shared channel presents a peculiar type of interference, one that should require coordination among users on the same frequency.

The last item this month is another Notice of Proposed Rule-Making, one that will allow the use of digital and digital-scrambled modulation in the Power Radio Service. Presently, digital modulation is allowed only in the Police and Fire Radio Services. As the Utilities Telecommunications Council pointed out, the Nuclear Regulatory Commission has expressed concern about attempts to intercept communications of utilities in general and nuclear power facilities in particular. As part of their security precautions, the UTC said that utilities would like to secure some of their more sensitive communications. (Does this include line crews?? And, as written, pipeline companies and water companies would also be eligible! A whole new market for a certain two-way radio company!)

# FEDERAL GOV'T and ☆ MILITARY ☆

Robert B. Grove, Editor

Send all Federal Government and Military frequencies (including those of military aircraft), radio system details, and related questions to: Robert B. Grove, Route 1-Box 156, Brasstown, NC 28902. Sensitive frequencies will not be published. Coast Guard material must go to the VHF Marine editor.

Rick (CA-SF-002) sent an interesting news clipping from a recent issue of Broadcast News Magazine (August, 1980). The Department of Commerce's National Telecommunications and Information Administration is recruiting five interns for their spectrum management division in Washington. Candidates are to be chosen from a pool of graduate engineers and will be awarded full-time training for nine months. Great opportunity for a listening enthusiast to get a close look at the IRAC records! Thanks, Rick.

The JIL-SX-200 which was shown on page 63 of our October issue will not be available for about six months according to a JIL spokesman. The receiver has exciting specifications, and if it works better than the miserable SX-100 which was released prematurely with many bugs, it should be a boon to the listener. Time will tell.

This month I felt it would be in the best interest of the readers to concentrate on frequency lists submitted by our members. Again, many thanks to those of you who have shared these data, and I look forward to more of you sending in additional contributions in the months ahead.

From BRANDT (IL-084) Chicago area
TACTICAL AIR GUARD, 927th

| | | |
|---|---|---|
| Channel 1 | 173.5125 (base) | 163.4875 (mobile) |
| Channel 2 | 173.4375 (base) | 163.5875 (mobile) |
| Channel 3 | 149.300 (base) | 165.1375 (mobile) |

From MARK (WA-004) Seattle area

| | |
|---|---|
| 34.15 | USN Air Station, Whidbey Island helicopter rescue |
| 32.3, 34.05 | Washington Army National Guard |
| Ft. Lewis: | 165.0875 fire |
| | 150.435 MP |
| | 413.425 MP |
| | 413.075 MP |
| | 412.875 MP |
| FEMA: 142.975 | 143.0 (not confirmed) |
| USGS: 168.075 | |
| 168.675 | |
| 168.100 | |

Mt. St. Helens "tilt meter": 166.419675 (let's see you tune that one in!...ed.)
Thanks Mark!

From Chuck (IL-041) Southern Illinois recreational areas

| | |
|---|---|
| 163.5375 | Rend Lake (Corp of Engineers?...ed) |
| 39.50 | Lake of Egypt (common non-government cluster frequency in Southern Illinois) |
| 151.865 | WSG916 Egyptian Hills Shore Patrol (non-government) |
| 168.775 | Shawnee National Forest; Garden of the Gods area |
| 168.175 | Shawnee National Forest; Lake of Egypt area |
| 164.825 | Shawnee National Forest; Eastern Southern Illinois |

We all appreciate your contribution, Chuck.

From CARL (NY-117)

| | |
|---|---|
| 166.325 | Gateway National Recreation Area (US Forest Service; National Park Service) |
| 163.625 | Immigration Service Brooklyn |
| 148.410 | USN MARS (Military Affiliate Radio System) |
| 143.460 | USAF MARS, New Jersey |
| 164.225 | Dept. of Energy |
| 46.75 | USAF Westchester, NY |
| 163.0625 | General Services Administration (GSA) |
| 164.175 | VA Northport Medical Center |
| 184.150 | Civil Air Patrol (CAP) |

Thanks, Carl!

From DUANE (MS-009) Keesler Air Force Base, Biloxi, MS

| | |
|---|---|
| 163.4875 | Security Police |
| 173.5875 | Fire Department |
| 173.5375 | Hospital/ambulances |
| 155.340 | Non-government hospital interface |
| 165.1625 | Aircraft maintenance |
| 148.245 | Base commanders net |
| 150.225 | Base commanders net |
| 126.200 | Aircraft tower |
| 121.800 | Aircraft ground control |
| 121.500 | Aircraft emergency (worldwide...ed) |

Thanks Duane.

From ED (MA-017) Central New England listings

| | |
|---|---|
| 34.83 | US Fish and Wildlife Service (MA, NH, and RI) |
| 148.785 | US Army Ft. Devens, MA Cutler Hospital paging |
| 149.580 | USAF Security Patrols, Lexington, MA and Westford, MA |
| 162.350 | FAA wind telemetry Logan Airport, Boston, MA |
| 164.200 | VA Hospital paging KLM510 Brockton, MA |
| 164.500 | VA Hospital paging KJN939 Boston, MA |
| 165.0875 | US Army AAB427, Ft. Devens, MA |
| 165.1375 | USAF Security Otis AFB, Cape Cod, MA |
| 165.7625 | FAA wind telemetry Logan Airport, Boston, MA |
| 167.175 | FAA repeater (input 165.6125) New England net, Burlington, MA |
| 168.225 | USPS operations, Boston, MA (KBD923) |
| 170.600 | USAF Satellite Tracking Station Security repeater (input 165.4125) New Boston, NH |
| 171.525 | Dept. of Agriculture KQ316 Boston, MA |

Nice list, ED!

From CRAIG (CA-VE-011) Southern California military low-altitude aircraft assignments

| | |
|---|---|
| 133.400 | USMC 29 Palms to helicopters sweeping area before practice artillery bombardment |
| 135.500 | USN Air Station, Point Mugu simulating carrier operations with reservists |
| 126.400 | US Coast Guard cutter communications with helicopter landing on deck |
| 124.15/327.80 | San Luis Obispo |
| 127.10/317/70 | Bakersfield |
| 125.80/307.10 | Saddle Peak (San Fernando Valley) |
| 132.50/284.70 | Boron |
| 134.65/307.90 | Las Vegas |
| 124.20/343.60 | Cedar City (UT) |
| 124.85/319.20 | Seligman (AZ) |
| 128.60/291.70 | Julian |
| 134.25/278.50 | Blythe |
| 133.40/285.60 | Julian |
| 125.85/346.12 | Ontario |
| 132.60/351.80 | Saddle Peak (N. Ventura) |

FEDERAL GOV'T/MILITARY CONTINUED

135.50 126.40/327.10 350.30 Santa Barbara (West shoreline)
128.05 134.85/269.50 350.30 Santa Barbara
134.70/377.10 Tonopah (NV)
132.30/317.40 Barstow
128.20/351.70 Los Angeles
126.35/290.20 Riverside
134.75/285.50 Los Angeles (East)
132.85/322.40 Los Angeles (Long Beach)
127.40/354.10 Los Angeles (Orange Co.)
274.6/278.1/326.7/276.3 Special USN frequencies
That's quite a list, Craig!

Won't more of you share your lists next month?

# MONITORING & THE LAW

Send all articles, references, copies of monitoring laws and questions pertaining to the legal aspects of monitor radio listening to:

---

EDITOR NEEDED!

We need a new Monitoring and the Law column editor. The editor of this column should have some familiarity with monitoring laws and it would be desireable if he/she had a collection of monitoring laws from around the nation. This editor would be required to generate some information for the column as well as organize input from the general membership. If you are interested, please TYPE a letter telling about yourself and qualifications to: RCMA Managing Editor, P.O. Box 216, Willow Grove, PA 19090.

From CHUCK GYSI (PA-005):

Recently there has been a lot of concern regarding the legality of the use of scanners in Canada. I wrote a letter to the Department of Communications in Ottawa seeking information on the use of scanners by both Canadians and Americans visiting Canada. The following is their reply:

Dear Mr. Gysi:

Thank you for your letter of July 15 concerning scanner receivers which was forwarded to this branch for response.

To operate a radio receiver which is not intended for the reception of broadcasting, a radio station license must be obtained from the Department of Communications. A radio station license can not be issued to a citizen of the United States except in the following situations:

1) The radio station is to be located on an aircraft registered in Canada.
2) The radio station is to be located on board a ship or vessel registered or licensed under the Canada Shipping Act.
3) The radio station is an amateur radio station and the applicant holds a Canadian radio operator's certificate which permits him to operate an amateur radio station.

Thus, we could not issue a license for a scanner receiver to a citizen of the United States, and any American citizen would not be permitted to use or bring a scanner receiver into Canada.

Please note that the term broadcasting includes environmental broadcasting. On this basis, single and multi-channel fixed frequency radio receivers designed and marketed for the purpose of receiving weather broadcasts on 161.65, [illegible].40 and 162.55 MHz are exempt from the requirement to be licensed.

Canadian citizens who wish to license a scanning or other type of receiver must provide us with a written authorization from the licensee of the radio system which is to be monitored. Without such authorization, a license cannot be issued.

From the foregoing, you can see that while our radio regulations to not prohibit the monitoring of any specific radio system, the licensing of the receiver is contingent upon the approval of the licensee of the system to be monitored. In addition, the Radio Act establishes that it is an offense to make use of or divulge any radio communication transmitted by any station other than a broadcasting station.

Excerpts from the Radio Act and the Radio Regulations concerning the licensing of receivers are enclosed for your perusal. Should you have any further questions concerning the use of radio communication equipment, we would be pleased to respond.

Yours truly,
/s/ C.H. Hedges for
Jean-Jacques Rosseau
Manager
Spectrum Management Operations Div.
Telecommunication Regulatory Service
Government of Canada
Department of Communications
Journal North Building
300 Slater Street
Ottawa, Ontario K1A 0C8 CANADA

Hopefully this letter clarifies the legality of the use of scanners in Canada. The letter is quite explicit in setting the guidelines for Canadians as well. The only issue not addressed is using a licensed scanner receiver for monitoring frequencies other than which it is licensed.

If you would like copies of the excerpts of the Radio Act and Radio Regulations that were sent by the DOC, please send $1.25 US or $1.50 in Canadian funds to cover photocopy and postage costs to me at P.O. Box 216, Willow Grove, PA 19090. Canadians might want to check their local library for the Act and Regulations for their review. No requests for the photocopies will be honored after December 31, 1980!

# Miscellany

P.O. Box 216
Willow Grove, PA 19090

From CHUCK GYSI (PA-005):

The following little story moved over Associated Press wires on July 9.

The two-way pprtable radio has become the primary means of communication for the Secret Service, White House advance teams and television news crews that accompany the president when he is away from the White House.

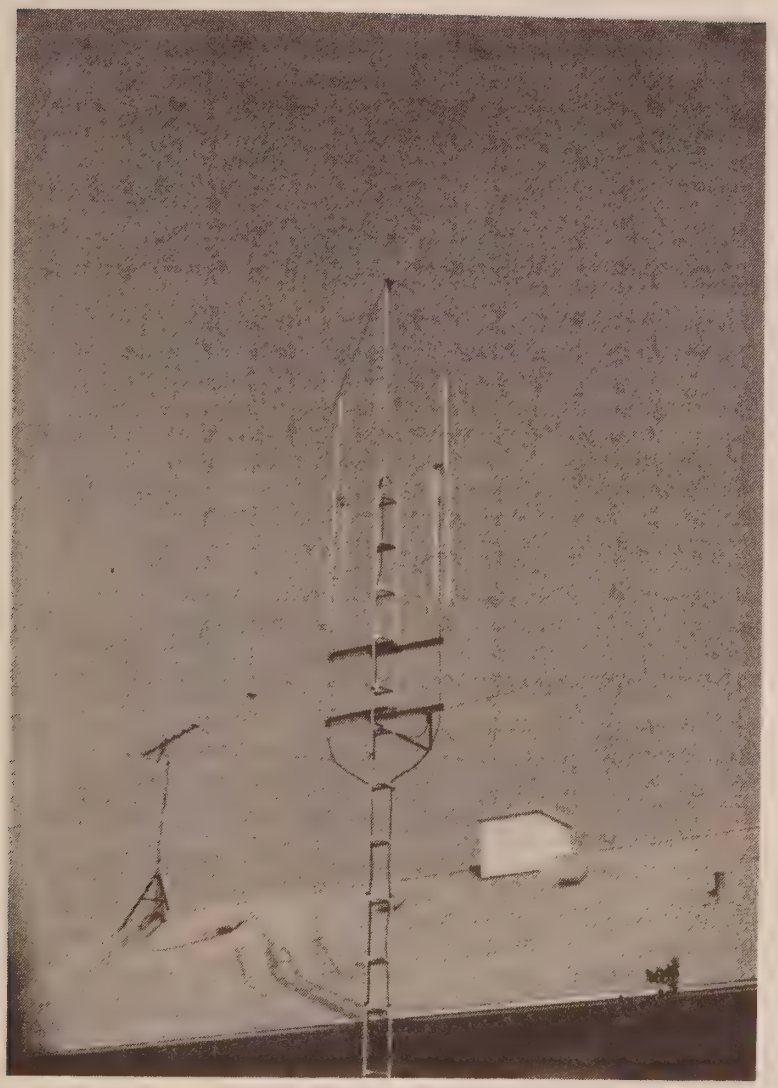
A few days ago, ABC correspondent Jack Smith was sitting in a motorcade car outside Carter's home using his radio to report the president's activities to his producer when he discovered the producer was sitting in a car directly across the street.

"It's amazing, isn't it?" Smith remarked. "With the aid of modern electric communications equipment, we can see each other at 30 feet."

# photo department

Send photographs of custom monitor listening posts, unusual or extensive monitor or two-way antenna systems, user station consoles (PD, Fire, Paramedics, etc.) or other monitor/two-way related equipment of interest. Photographs must be 3 x 5 inches or larger, black-and-white with good contrast, sharply focused and attractively composed. Each photo must be accompanied by details and explanations of equipment. Photos will not be returned. If you have questions, write first and please include an SASE. Send photos or write to: Mike Redman, P.O. Box 1177, St. Charles, MO 63301.

Did you ever wonder how John Arendt (IL-012) gets all those great 'skip' reports and how he does such an outstanding job with the monitoring of the Illinois State Patrol? Well, here is John's basement monitoring station, or "command post". From left is a Bearcat 250 for government monitoring, an upper Bearcat 101 for State and Local work, lower 101 for backup, Bearcat 250 on right used for State and Local work, handheld Midland 13-919 for Local, handheld Bearcat 4-6 Thinscan for Local and State channels, Lafayette PF175 Tunable for search and weather use, and a Panasonic RQ2107 casette recorder. Oh yes, a Mini-Sleuth descrambler for the 'nasty' stuff. In the shortwave line John has a Barlow Wadley XCR30 and Braun T1000 on the right. Upon John's desk we see the renowned Hughes publications and Bob Grove's Federal Frequency book. These items are all located in John's newly remodeled basement monitoring facility. On the next page we see the other half of John's radio system, the antenna assembly. Truly an outstanding antenna array and explored on the next page beneath the photo...



From the left, we see an Avanti AV-801 that faces Chicago, and is used for government monitoring. At the top is an Antenna Specialists VHF High-Low Ground Plane, and on the right is the other Avanti AV-801 facing downstate, and used for State and Local work. Behind these is a modified VHF High-Low Ground Plane available for Utility use. Each antenna is fed with RG-8U Coaxial Cable. When severe weather threatens, external antennas are disconnected and a custom built ground plane located in the attic is pressed into service. There is also a Mosely dipole antenna available to feed either shortwave receiver. Note the professional building techniques applied here, and the use of angle iron as antenna standoffs. This is a good example for any of you contemplating a tower with multiple antennas. Need more info? Write to John. That set-up would make a neat Christmas present. Be sure to send in your photo in the preferred 5 x 7 black and white size. Coming in the next few months... Bandit- the monitoring cat! The Troop C (MSHP) headquarters and tower! The St. Louis County EOC Radio Tower! More!!

# Aircraft

Maj. Ron Hammer, Editor

Send private, commercial, firefighting and law enforcement aircraft frequencies of interest in the 108-136 MHz range and frequencies in other bands above 30 MHz associated with airports and aircraft plus questions, articles and tips related to aircraft monitoring to: Major Ron Hammer, 821 Elisa Way, Roseville, CA 95678.

Ron is in a holding pattern for this month. Will land next month with a heavy load.

# Business, Etc.

Chuck Gysi, Editor

This column is for reporting frequency and radio system information for the following varied services: business, forest products, petroleum industry, special industrial, manufacturers, news media (behind-the-scenes radio, TV & newspaper), motion picture industry, security (private patrol, detective agencies, campus security & police, amusement park & stadium security, shopping center & mall security, plant/business/hotel security, etc.), General Mobile Radio Service (GMRS), mobile phone/RCC & paging, trucking firms, bus lines, taxi cabs, tow trucks, utility companies (private & municipal water, power, electric, gas, telephone, etc.), and all school & college related frequencies. Send information and questions pertaining to the radio services covered in this column to: Chuck Gysi, P.O. Box 216, Willow Grove, PA 19090.

Contributions have been coming in to this column slowly but surely. I need input from everyone everywhere to make this column as enjoyable as possible for everyone around the nation. Isn't it about time you contributed?

## News Media/Film

MIAMI AREA NEWS MEDIA

From RCMA Miami Group:

| | |
|---|---|
| 37.180 | Metro-Dade County Civil Defense remote receivers (used for one-way notification to area governments, media, hospitals, special businesses and individuals for dissemination of priority and emergency data. See 162.075 and 170.150.) |
| 161.640 | WNWS Radio 790 AM Traffic/news reporters |
| 161.670 | WVCG Radio 1080 AM Traffic/news reporters |
| 161.760 | WIOD Radio 610 AM Traffic/news reporters/Miami Dolphins Football Network relays from Orange Bowl |
| 162.075 | U.S. Dept. of Commerce/NOAA/NWS (Used for meteorological data telemetry and as EBS link to WIOD radio. See 37.18 and 170.150) |
| 170.150 | WGBS Radio 710 AM Traffic/news reporters<br>WPLG-TV 10 has access for traffic reports<br>Also, used for emergency communications link between Metro-Dade County Civil Defense and media for direct dissemination of disaster relief data to the public. See 37.18 and 162.075.) |
| 173.225 | Miami Herald reporters |
| 173.325 | Hollywood Sun-Tattler reporters |
| 173.375 | Fort Lauderdale News reporters |
| 450.0875 | WCKT-TV 7 (NBC) reporters |
| 450.1125 | WTVJ-TV 4 (CBS) reporters |
| 450.150 | WCKT-TV 7 (NBC) engineering |
| 450.2875 | WPBT-TV 2 (PBS) reporters/engineering |
| 450.3125 | WCIX-TV 6 (Ind) reporters |
| 450.3875 | WTVJ-TV 4 (CBS) engineering |
| 450.450 | WFTL Radio 1400 AM traffic/news reporters |
| 450.4875 | WKAT Radio 1360 AM reporters |
| 450.5875 | WPLG-TV 10 (ABC) engineering |
| 450.6125 | WPLG-TV 10 (ABC) reporters |
| 450.700 | WQBA Radio 1140 AM/107.5 FM traffic/news |
| 452.975 | Miami News reporters |
| 455.550 | WINZ Radio 94 AM/94.9 FM traffic/news |

HELP--We're looking for freq for WAXY-FM (105.9)!

From TONY LOVING (NJ-005): Action Movie News in New York City is on 464.650 MHz (in addition to 452.975 MHz).

## Business

From MARVIN SUGGS JR. (TX-002):

462.200 Gulf Oil Corp. Port Arthur, Texas refinery
462.225 Texaco Inc. Port Arthur, Texas refinery

## Motor Carrier

MIAMI AREA BUS LINES

From RCMA Miami Group:

43.720 GrayLine sightseeing tours
43.760 American Sightseeing Tours
452.500 Metro-Dade County Special Transportation Service (wheelchair)
470.5875 Broward County Transit Authority
471.7125 Metro-Dade County Transit Authority/F1/route data
471.7375 Metro-Dade County Transit Authority/F2/route data
471.7625 Metro-Dade County Transit Authority/F3/route data
471.7875 Metro-Dade County Transit Authority/F4/route data
471.8125 Metro-Dade County Transit Authority/F5/Supervisors
471.8375 Metro-Dade County Transit Authority/F6/maintenance

## Mobile Phone/RCC

GREATER PHILADELPHIA VIP MOBILE PHONE USERS

From Chuck Gysi (PA-005):

As promised last month, here is an exclusive list of mobile telephone licensees direct from FCC files.

*Pennsylvania*

Piquet Security Systems/Ardmore/3 Bell UHF phones
Fairless Hills Medical Center/Fairless Hills/one Bell high-band and UHF
Audubon Water Co./Fairview Village/one Bell high-band phone
Commonwealth of PA Governor's Office/Harrisburg/one Bell hi-band phone
State of PA Revenue Dept./Harrisburg/one Bell hi-band phone
Harrhea Broadcasters/Harrisburg/one Bell hi-band phone
William W. Scranton, Commonwealth of PA Lt. Governor's office/ Harrisburg/one Bell hi-band phone
Hershey Foods Corp./Hershey/one UHF aircraft phone
Atlantic Security Systems/Jenkintown/one Bell UHF phone
Sentry Security Systems Inc/Lafayette Hill/one Bell UHF phone
Delaware River Port Authority--F. Eugene Dixon Jr. (owner of Phila. 76ers and on various boards)/Lafayette Hill/one Bell UHF phone
Hex Country Radio/Lancaster/one Bell hi-band phone
730 Broadcasters WNAK Radio/Nanticoke(Scranton)/2 Bell hi-band phones
Mario Andretti/Nazareth/one UHF aircraft phone
Famous Artists Studios/Norristown/one UHF aircraft phone
Jerry C. Lee c/o WDVR Radio/Phila./one Bell hi-band phone
Bell of Penna. Asst. Comptroller/Phila./one UHF aircraft phone
Charles D. Benjamin c/o Tabor Medical Center/Phila./one Bell UHF phone
Sidney Booker/Phila./one Bell UHF phone
Club Rio Inc./Phila./one Bell UHF phone
General Electric Co./Phila./one Bell UHF phone
Industrial Traffic Consultants/one Bell hi-band phone
JFK Hospital/Phila./one Bell UHF phone
Lafayette School/Phila./one Bell UHF phone
Lanard and Axilbund (large real estate firm)/Phila./one Bell lo-band
Lorea School of Photography/Phila./one Bell lo-band phone
Peter V. Harks c/o Retail Clerks Union Local 1357/Phila./one Bell UHF
McGee Funeral Home/Phila./one Bell hi-band phone
Moultrie Detective Agency/Phila./one Bell UHF phone
Frank Rizzo Jr. (former mayor)/Phila./one Bell hi-band phone
Robinson Protective Alarm Co./Phila./3 Bell hi-band phones

Spectrum Inc. (arena)/Phila./one Bell UHF phone
Robinson Protective Alarm/Phila./one Bell UHF phone
Andrew L. Lewis (state GOP leader)/Plymouth Meeting/one Bell hi-band
Triangle Publications (TV Guide)/Radnor/one Bell UHF phone
Universal Alarms Inc./Upper Darby/one Bell UHF phone
District Attorney of Chester County/West Chester/one Bell hi-band

**New Jersey**

Atlantic City Karate Club/Absecon/one Bell hi-band phone
Boardwalk Regency Corp. (casino)/Atlantic City/one UHF aircraft phone
City of Atlantic City/Atlantic City/two Bell hi-band phones
Guarantee Bank Armored Car Service Inc./Atlantic City/one Bell hi-band
Radio Cab Co. Inc./Atlantic City/one Bell hi-band phone
Resorts International Inc. (casino)/Atlantic City/one UHF aircraft ph.
Campbell Co. (soup)/Camden/one UHF aircraft phone
Cooper Medical Center/Camden/one Bell hi-band phone
Johnson & Johnson/New Brunswick/one UHF aircraft phone
Purolator Inc. (money courier)/Piscataway/one UHF aircraft phone
Ocean City Research Corp./Ocean City/one Bell hi-band phone
Venice Amusement Corp./Seaside Heights/one Bell UHF phone
Ventnor Shore Inc./Ventnor/one Bell hi-band phone
Robinson Protective Alarm/Ventnor/one Bell hi-band phone

## Utility

PART IX--LOS ANGELES CITY WATER AND POWER SYSTEM

Channel 8 and 9

The frequencies 471.3125 (channel 8) and 474.3125 (channel 9) are utilized around the Sylmar converter station and in the area of the marine tank farm. These operations should not interfere with each other because of different "keying tones," but operators must be aware of their responsibility to avoid interference with the other facilities' operation.

Mobile units in the marine tank farm area may communicate for short ranges by transmitting on channel 8 or extend the range of their radios by transmitting on channel 9 which will access a repeater located at the Harbor steam plant which will retransmit the received signal on channel 8.

The marine tank farm operator may likewise transmit direct to mobile units on channel 8 or increase the range of his transmission by transmitting on channel 9, thereby activating the mobile relay transmitter at the Harbor generating station.

Mobile units and the marine tank farm operator must transmit their assigned call sign when operating on channel 9. A mobile unit communicating with the marine tank farm when both are utilizing channel 8 need not transmit the assigned call sign. The mobile unit, when applicable, should transmit KZ 4787 when clearing the frequency.

The marine tank farm operator must transmit the assigned call sign at the end of each series of transmissions, whether on channel 8 or 9, until such time as morse code identifiers are installed.

The marine tank farm operator should be aware that different call signs are assigned for channel 8 and channel 9 operations.

## Security

MARRIOTT'S GREAT AMERICA SYSTEM--Gurnee, IL

From Kirk Stolt (IL-024):

The following frequencies are used at Marriott's Great America amusement park in Gurnee, Illinois:

| | | |
|---|---|---|
| 457.525 | 3-watt | Parade float freq (Hometown) |
| 457.600 | 3-watt | Parade float freq (Yankee) |
| 462.825 | Paging | General park paging freq |

464.375 MR Out Park frequency (F3) (input 469.375)
464.875 MR Out Park security (F1) (input 469.875)
466.200 ½-watt Theater wireless systems
467.750 3-watt Parade float freq (County)
467.825 3-watt Parade float freq (Yukon)
467.900 3-watt Parade float freq (Sprit)

NOTES: Every day during the summer, Great America does the "Merri-Martigra Parade." Each of the five floats has a receiver with one of the listed frequencies. A studio eight-track recording unit provides individual input to each float transmitter. Two channels of the eight-track provide stereo music to the areas of the park that the parade goes through. The eight-track tape is reel-to-reel and uses one-inch tape. The wireless frequency is used in the Theater Royale during several parts in the show.

Radio codes:

| | |
|---|---|
| 10-1 | Receiving poorly |
| 10-2 | Signal O.K. |
| 10-3 | Switch to another channel |
| 10-4 | Message Received |
| 10-6 | Busy, stand-by |
| 10-7 | Out of service |
| 10-8 | In service |
| 10-9 | Repeat |
| 10-14 | Escort |
| 10-15 | Prisoners in custody |
| 10-16 | Pick up |
| 10-19 | Return/Enroute station |
| 10-20 | Location |
| 10-21 | Telephone |
| 10-22 | Cancel |
| 10-23 | Stand by |
| 10-33 | Alarm at |
| 10-36 | Confidential Information |
| 10-49 | Proceed to |
| 10-50 | Take a report |
| 10-51 | Intoxicated |
| 10-53 | Man down |
| 10-62 | Meet the guest |
| 10-66 | Suspicious person |
| 10-73 | How do you receive? |
| 10-86 | Any traffic for? |
| 10-87 | Meet the officer |
| 10-97 | Arrived at the scene |
| 10-98 | Finished with last assignment |

| | |
|---|---|
| 11-35 | Drug related |
| 11-81 | Accident-W/Inj. |
| 11-82 | Accident-W/O Inj. |

| | |
|---|---|
| 211 | Hold Up |
| 415 | Disturbance |
| 484 | Theft |
| 904 | Fire |
| 952 | Report on conditions |

| | |
|---|---|
| CODE 1 | Your Convenience |
| CODE 2 | Urgent |
| CODE 3 | EMERGENCY |
| CODE 4 | No further assist |
| CODE 7 | Mealtime |
| CODE 10 | Bomb Threat |
| CODE 20 | Host Needs Help-Urgent |
| CODE 30 | Host Needs Help-EMERGENCY |
| CODE 33 | EMERGENCY-Do Not Trans. |
| CODE 75 | Brinks Pick Up |
| CODE 99 | All Available Assist. |

| | |
|---|---|
| BOL | Be on the lookout |
| FM | Few minutes |
| GOA | Gone on arrival |
| J | Juvinile |
| UTL | Unable to locate |
| X | Female |

SIGNAL 2 Ride out of service
SIGNAL 6 Ride in service

All sensitive codes have been removed from the above list. It should be noted that all types of radios (including all types of scanning and monitoring equipment) are NOT permitted on park property. If you are caught with such devices while in the park, they will be taken away from you. Signal strength is sufficient to listen from the parking lot or from several miles around.

From ROBERT STOFFEL (CA-OR-026): Marriott's Great America amusement park in Santa Clara, Calif., uses the following freqs:

490.1625 "Station 1" Park operations
"Station 2" Maintenance
490.2625 "Control" Security

DISNEYLAND UPDATE

From Walt Baranger (CA-OR-129):

As a former Disneyland employee, I can speak with some authority on the radio system there.

| | | |
|---|---|---|
| F-1 | 154.60 | Security, ride supervisors, monorails, parking lot |
| F-2 | 154.57 | Maintenance |
| | 42.98 | Ride foremen--Space Mountain, Autopias and Mark Twain ride only. (100 mw) |
| Paging | 154.625 | |

NOTES: The pager freq is about 50 percent voice and 50 percent tone only. There are numerous mid-band (70-80 MHz) freqs used for transmitting music to floats in various parades. The antennas for these are about half-way up the west side of the Matterhorn. On rare occasions, Anaheim police use 460.15 simplex (white channel) in the park. Occasionally, Disney Studios use their radios in the park. There is no base freq; just mobile.

POSTPONED: The updated list of Atlantic City casinos has been postponed until next month's issue. A full report is scheduled then. Some new channels have been uncovered and additional field monitoring is required. Stay tuned!

## School

From CHRIS SMALLMAN (NY-020):

The following frequencies are used by Syracuse University's New Dome Stadium:

461.600 Dome Control maintenance
461.700 Dome Control security and medical teams

The only identification used is "Dome Control"; no call letters.

## Freak Freqs

QUIZZER OF THE MONTH

From Chuck Gysi (PA-005):

Does anybody have an idea what a low-band whip would be doing on an automatic lawn sprinkler box on Gisler Avenue just off of Harbor Boulevard in Costa Mesa, CA, would be used for? It's located on the curb just across from the Costa Mesa (Vagabond) Inn. Could it be radio-activated lawn sprinkler system? Anybody have any thoughts? If so, please send them in and satisfy my curiousity (that is if the antenna is still there and doesn't make a liar out of me).

## SATELLITES

Bill Blomgren, Editor

Send information about satellite frequencies which you have received with type of traffic heard, orbital data, hobby receiving equipment and antennas and questions pertaining to satellite monitoring to: Bill Blomgren, 112 Sandra Lane, Normal, IL 61761.

EDITOR NEEDED!

We need a new Satellites column editor effective January 1981. The editor of this column should be familiar with satellite systems and be an active satellite monitor. The editor also should have a knowledge of the history of older satellite systems and be familiar with upcoming new systems. This editor would be required to generate most of the column. If you are interested, please TYPE a letter telling about yourself and qualifications to: RCMA Managing Editor, P.O. Box 216, Willow Grove, PA 19090.

## FLTSATCOM/AFSATCOM UPDATE

After a lot of research and after a lot of off the air monitoring and with varification through Bob Groves' new book on Unclassified Federal Frequencies, I have finally determined all of the UHF channels currently in use on the FLTSATCOM and AFSATCOM satellite systems. Currently three of the four FLTSATCOM satellites have been launched and are now in orbit. The final FLTSATCOM satellite is to be launched sometime in 1981 and will fill the open slot at 172°E longitude (Pacific west). This will complete the FLTSATCOM system except for an orbital spare which should be launched after 1981.

As you will recall from previous columns there are 23 UHF channels associated with the FLTSATCOM satellite system. Channels 1 through 10 are assigned to the Navy and the channels 11 through 22 are assigned to the Air Force and make up the AFSATCOM satellite system. The last channel, number 23, is assigned to the Department of Defense and is a wide band channel. Channel number 23 is divided into 20 subchannels each 25 KHz wide. This means that each FLTSATCOM satellite contains 30 voice grade channels 25 KHz wide and 12 data channels 5 KHz wide. Of course the voice grade channels can also be used for data transmissions and very often are used for data.

FLTSATCOM CHANNEL ALLOCATIONS

| User | Channel | Bandwidth | Use |
|---|---|---|---|
| Navy | 1 | 25.00 KHz | Fleet Broadcasts (Data) |
| Navy | 2-10 | 25.00 KHz | Relay (Voice/Data) |
| Air Force | 11-22 | 5.00 KHz | Relay (Data) |
| DOD | 23 | 500.00 KHz | Relay (Voice/Data) |

NAVY DOWNLINK BREAKDOWN IN MHz

| Channel Number | Atlantic 23°W | Pacific East 100°W | Pacific West 172°E | Indian 75°E | Bandwidth |
|---|---|---|---|---|---|
| 1 | 250.550 | 250.450 | 250.550 | 250.650 | 25.00 F9 |
| 2 | 252.050 | 251.950 | 252.050 | 252.150 | 25.00 F9 |
| 3 | 253.750 | 253.650 | 253.750 | 253.850 | 25.00 F9 |
| 4 | 255.450 | 255.350 | 255.450 | 255.550 | 25.00 F9 |
| 5 | 257.050 | 256.950 | 257.050 | 257.150 | 25.00 F9 |
| 6 | 258.550 | 258.450 | 258.550 | 258.650 | 25.00 F9 |
| 7 | 265.450 | 265.350 | 265.450 | 265.550 | 25.00 F9 |
| 8 | 266.950 | 266.850 | 266.950 | 267.050 | 25.00 F9 |
| 9 | 268.350 | 268.250 | 268.350 | 268.450 | 25.00 F9 |
| 10 | 269.850 | 269.750 | 269.850 | 269.950 | 25.00 F9 |

AIR FORCE DOWNLINK BREAKDOWN IN MHz

| Channel Number | Atlantic 23°W | Pacific East 100°W | Pacific West 172°E | Indian 75°E | Bandwidth |
|---|---|---|---|---|---|
| 11 | 244.045 | 244.145 | 244.045 | 243.945 | 5.00 F9 |
| 12 | 244.055 | 244.155 | 244.055 | 243.955 | 5.00 F9 |
| 13 | 244.060 | 244.160 | 244.060 | 243.960 | 5.00 F9 |
| 14 | 244.065 | 244.165 | 244.065 | 243.965 | 5.00 F9 |
| 15 | 244.070 | 244.170 | 244.070 | 243.970 | 5.00 F9 |
| 16 | 244.075 | 244.175 | 244.075 | 243.975 | 5.00 F9 |
| 17 | 244.080 | 244.180 | 244.080 | 243.980 | 5.00 F9 |
| 18 | 244.085 | 244.185 | 244.085 | 243.985 | 5.00 F9 |
| 19 | 244.090 | 244.190 | 244.090 | 243.990 | 5.00 F9 |
| 20 | 244.095 | 244.195 | 244.095 | 243.995 | 5.00 F9 |
| 21 | 244.100 | 244.200 | 244.100 | 244.010 | 5.00 F9 |
| 22 | 244.110 | 244.210 | 244.110 | 244.020 | 5.00 F9 |

| DOD CHANNEL #23 WIDE BAND DOWNLINK BREAKDOWN IN MHz | | | | | |
|---|---|---|---|---|---|
| Channel Number | Atlantic 23°W | Pacific East 100°W | Pacific West 172°E | Indian 75°E | Bandwidth |
| 1 | 261.450 | 260.350 | 261.450 | 263.350 | 25.00 F9 |
| 2 | 261.475 | 260.375 | 261.475 | 263.375 | 25.00 F9 |
| 3 | 261.500 | 260.400 | 261.500 | 263.400 | 25.00 F9 |
| 4 | 261.525 | 260.425 | 261.525 | 263.425 | 25.00 F9 |
| 5 | 261.550 | 260.450 | 261.550 | 263.450 | 25.00 F9 |
| 6 | 261.575 | 260.475 | 261.575 | 263.475 | 25.00 F9 |
| 7 | 261.600 | 260.500 | 261.600 | 263.500 | 25.00 F9 |
| 8 | 261.625 | 260.525 | 261.625 | 263.525 | 25.00 F9 |
| 9 | 261.650 | 260.550 | 261.650 | 263.550 | 25.00 F9 |
| 10 | 261.675 | 260.575 | 261.675 | 263.575 | 25.00 F9 |
| 11 | 261.700* | 260.600* | 261.700* | 263.600* | 25.00 F9 |
| 12 | 261.725 | 260.625 | 261.725 | 263.625 | 25.00 F9 |
| 13 | 261.750 | 260.650 | 261.750 | 263.650 | 25.00 F9 |
| 14 | 261.775 | 260.675 | 261.775 | 263.675 | 25.00 F9 |
| 15 | 261.800 | 260.700 | 261.800 | 263.700 | 25.00 F9 |
| 16 | 261.825 | 260.725 | 261.825 | 263.725 | 25.00 F9 |
| 17 | 261.850 | 260.750 | 261.850 | 263.750 | 25.00 F9 |
| 18 | 261.875 | 260.775 | 261.875 | 263.775 | 25.00 F9 |
| 19 | 261.900 | 260.800 | 261.900 | 263.800 | 25.00 F9 |
| 20 | 261.925 | 260.825 | 261.925 | 263.825 | 25.00 F9 |

*Indicates wideband (500.00 F9) center frequency

More Rescue Traffic

On August 26, 1980, I monitored ATS-3 traffic on ATS channel #3 (135.575 MHz) between Rescue 621, March Air Force Base, and Scott Air Force Base. Rescue 621 was relaying traffic from a small remote village call El Palmar in Argentina. The traffic seemed to be related to a search for a downed aircraft. After listening for a few hours I finally could stand it no longer and telephoned the RCC headquarters at Scott Air Force Base to find out what had happened. According to the Captain I talked with, Rescue 621, along with a C130 and some helicopters had been flown into Argentina for a joint rescue training mission between Argentina, Ecquador, and the United States. The search for the downed aircraft was only a training exercise.

FLTSATCOM Traffic

Recently I have noticed a great deal of activity on DOD channel #23. The traffic is narrow band voice but all traffic has been scrambled except for an occasional word or two near the start of the transmission. The active channels I have noted are 260.350 MHz, 260.375 MHz, and 260.800 MHz. This traffic is coming from FLTSATCOM ($F_1$) at 100° west longitude. I have also monitored similar transmissions (all scrambled of course) at 261.700 MHz from FLTSATCOM ($F_2$) at 23° west longitude. These transmissions were, however, very weak and hard to detect from my location in the midwest. While I feel a converter built for the 260 MHz range would pick up these transmissions I have yet to hear enough non-scrambled material to warrant the purchase of one unless you enjoy listening to the sounds of a strangling turkey all day.

Vanguard Labs

Apparently I have been showing the wrong number for the Vanguard Labs. The correct number is (212) 468-2720.

Thanks for the information

I received information this month from Joe Novak (VA-004) and Chris Devendorf (CA-OR-050). Thanks for the information. I hope to use it in future columns.

# VHF Marine

Rod O'Connor, Editor

Send information, articles, frequencies and how they are used and questions that relate to private, commercial and Coast Guard VHF maritime and inland waterways radio communications to: Rod O'Connor, USCG Group, 259 High St., South Portland, Maine 04106.

This month we feature the Houston-Galveston, Texas VESSEL TRAFFIC SERVICE. The U.S. Coast Guard operates several other Vessel Traffic Systems around the U.S.A. Among them are systems operating in New York Harbor, New Orleans and the Lower Mississippi River, Puget Sound Washington, which is operated in conjunction with the Canadian system at Vancouver, British Columbia. Two other systems are at San Francisco Harbor, and Valdez, Alaska. As time and space permit I will attempt to detail some of the other vessel traffic systems.

## VESSEL TRAFFIC SERVICE

## HOUSTON-GALVESTON

### INTRODUCTION

The Houston-Galveston Vessel Traffic Service (VTS) is a basic Vessel Movement Reporting System relying almost entirely on radio reports from vessels for information. The focal point of the system is the U. S. Coast Guard Vessel Traffic Center (VTC) located in Houston, Texas. The single purpose of the VTS is to reduce collisions which would have grave impact in terms of human lives, property or the environment.

### GENERAL DESCRIPTION

VTS provides 24-hour service to the ports of Houston, Galveston and Texas City and approximately 75 miles of narrow connecting waterways. Bolivar Roads, the main intersection, connects each of the three ports to the sea routes of the Gulf of Mexico. The vital intracoastal waterway which is a major barge route to other cities crosses this VTS area at Bolivar Roads.

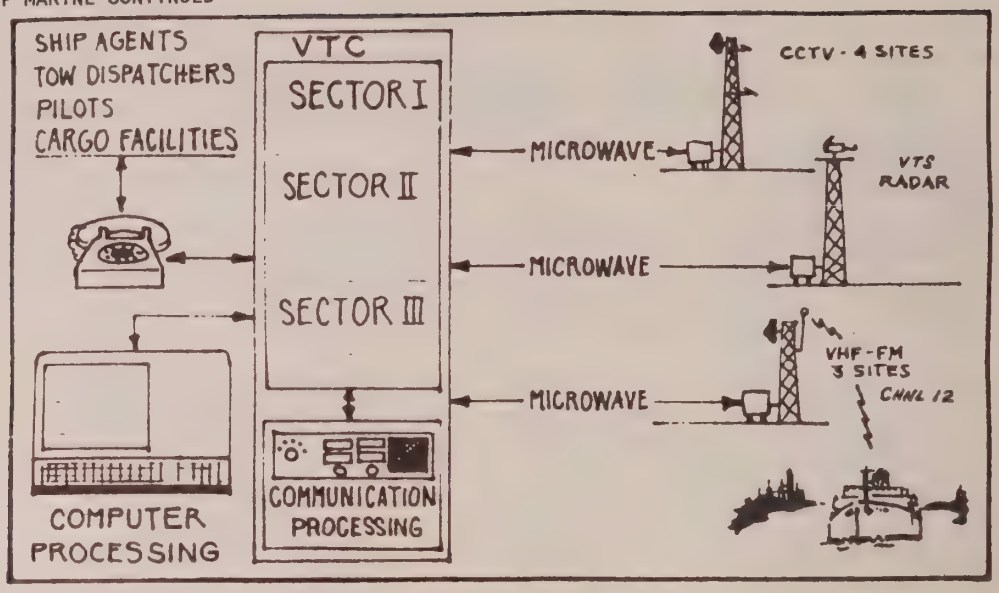
The VTC processes some 250 vessel movements each day. Twenty percent of this traffic involves large ocean-going ships while 80 percent involves a variety of barge tows. Approximately 60 percent of all traffic is petroleum or chemical related making this VTS area one of the nations most important waterways.

Radio is the primary tool of a VTS and is used both to collect vessel movement data and to transmit advisories on conditions affecting traffic safety. A single VTS operating frequency (156.60 MHz, VHF-FM channel 12) is used to process the various reports and advisories. A second frequency, the vessel bridge-to-bridge navigation safety frequency (156.65 MHz, VHF-FM channel 13), is also monitored by the VTC. The information obtained through these two frequencies permits the VTS to become aware of most traffic situations as they occur.

A dynamic computer display of vessel traffic is maintained by the VTC. The computer is capable of providing immediate information on vessels in the system, their locations, movements and traffic situations.

System accuracy is enhanced by a network of remote controlled closed circuit television (CCTV) cameras positioned along the channel and a remote operated radar system which allows for verifying and updating of the data being displayed. Coverage by CCTV and radar is not complete. Approximately 30 Percent of the VTS area relies solely on the reporting vessel to provide all the necessary input to the system without further verification or up-dating.

The VTS area is divided into three geographic sectors each served by a trained Coast Guard operator. This division is purely internal to the VTC and is not apparent to the vessels using the system. Division into three sectors is made necessary by the physical arrangement of the waterway and communications work load. In addition to the three sector




VTS INFORMATION PROCESSING

operators, a traffic supervisor (watch officer) is on duty to coordinate the overall system. Continuity between sector operators is maintained by use of the single VTS operating frequency, VHF-FM channel 12.

## CONCEPT OF OPERATION

A simple Vessel Movement Reporting System (VMRS) of predesignated reporting points is used where vessels report their position and intentions directly to the VTC. The VTC assembles this data along with data from other vessels, reported hazards plus any other factors which may affect a vessel's safety and retransmits this information in the form of a brief traffic advisory.

This VTS is a voluntary system. Participation in the VMRS is not mandatory and the VTS does not routinely control vessel traffic. However, in the case of an emergency the VTC may impose temporary traffic control measures. Traffic control in this case means controlling the waterway and not directly controlling the vessel through engine or rudder commands. VTS traffic controls are strictly limited to either closing or restricting the use of a channel or to denying a vessel permission to enter or proceed.

## CONCLUSION

A VTS is an information system which provides the focal point for communications that is vital to the orderly flow of vessel traffic. Both the operating mariner and the shoreside manager in using VTS can obtain almost instant information on traffic conditions and the movement of individual vessels in the system. Cooperation and up-to-date information is the key to traffic safety and safety is good management.

| *VHF-FM FREQUENCY* | *RECOMMENDED USAGE* |
|---|---|
| * Channel 6 (156.30 MHz) | Vessel safety and operations |
| Channel 12 (156.60 MHz) | Communications with VTS ("HOUSTON TRAFFIC") |
| * Channel 13 (156.65 MHz) | Bridge to Bridge navigation safety |
| ** Channel 14 (156.70 MHz) | Ship/tug docking and undocking |
| * Channel 16 (156.80 MHz) | Distress, Safety, and Calling |
| * Channel 22A (157.10 MHz) | Non-distress communications with Coast Guard |

* Denotes Standard U.S. frequency assignment.

** Recommended for the Houston-Galveston-Texas City area.

NOTE. Mariners are urged to use the proper frequency for the proper purpose. Except for distress communications, low power (1 watt) output will help reduce interference.

2. The following is a listing of frequently called industries and services known to the VTS in the Houston-Galveston-Texas City area and the VHF-FM (simplex) frequencies on which they operate:

VHF MARINE CONTINUED

| *USER* | *VHF-FM FREQUENCIES* |
|---|---|
| Amoco, Texas City | Channel 16 (156.80 MHz)<br>Channel 18 (156.90 MHz)<br>Channel 19 (156.95 MHz) |
| Arco, Houston | Channel 16 (156.80 MHz) |
| Bacon Towing, Houston | Channel 9 (156.45 MHz) |
| Barge Harbor Towing, Houston | Channel 16 (156.80 MHz)<br>Channel 9 (156.45 MHz) |
| Exxon, Baytown | Channel 16 (156.80 MHz)<br>Channel 9 (156.45 MHz) |
| Galveston Pilot Boat | Channel 13 (156.65 MHz)<br>Channel 16 (156.80 MHz) |
| G & H Towing, Houston and Galveston | Channel 7A (156.35 MHz)<br>Channel 14 (156.70 MHz) |
| Hollywood Marine, Houston | Channel 79A (156.975 MHz) |
| Houston Mooring Office (Boatmen) | Channel 14 (156.70 MHz) |
| Houston Mooring (Boats) | Channel 11 (156.55 MHz) |
| Houston Pilot Office, Houston | Channel 79A (156.975 MHz) |
| Houston Pilot Boat | Channel 16 (156.80 MHz)<br>Channel 13 (156.65 MHz) |
| Marine Operator, Houston | Channel 26 (157.30 MHz) |
| Marine Operator, Galveston | Channel 24 (157.20 MHz)<br>Channel 28 (157.40 MHz) |
| Maritime Station, Morgan's Point | Channel 14 (156.70 MHz) |
| NOAA Weather Service, Houston | Channel 2 (162.40 MHz) |
| NOAA Weather Service, Galveston | Channel 1 (162.55 MHz) |
| Pasadena Towing, Houston | Channel 19A (156.95 MHz) |
| Shell Oil, Houston | Channel 16 (156.80 MHz) |
| Southwest Barge, Houston | Channel 10 (156.50 MHz) |
| Western Towing, Houston | Channel 16 (156.80 MHz)<br>Channel 10 (156.50 MHz) |

NOTE. Most Coast Guard Stations, except VTS, guard Channel 16 (156.80 MHz).

U. S. Coast Guard Vessel Traffic Service, P. O. Box 501
Galena Park, Texas 77547 Phone: (713) 674-8488

Here are a few more reports from fellow members:

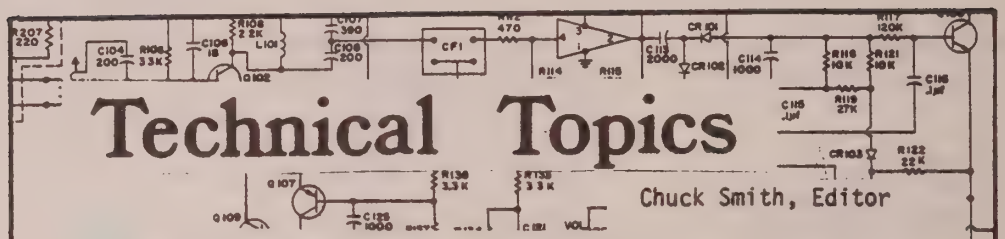
STEVE, (NJ-49) asks if frequency 171.3125 is still used as Coast Guard Group New York's repeater, similar to the "repeater" mentioned in the Sept.80 newsletter at Long Beach, California. The answer is no, the link was discontinued several years ago.

BOB (NH-03) tells us that the New Hampshire Department of Safety, Marine Control uses 37.28 mhz. He notes in addition, that the Lake Winnepesaukee Marine Operator at Laconia works VHF Channel 25 (161.850 mhz.)

Although the America's Cup Races concluded this past week (Sept.25th) I did get a note from BERT (RI-07) mentionning the fact that VHF Channels 74 (156.725) and 78 (156.925) were the primary working channels between the judge's boats and cup contenders. I did not have the chance to get this info passed in time for the Sept. 80 publishing deadline. Sorry.

Also this month are a list of common working frequencies for Marine interests in the Houston, Galveston Texas area.

A few members have written expressing their desire to see a list of the Great Lakes Marine Operators. I hope to have a list and map of each one in a future edition. In the meantime, keep the information coming in.



# Technical Topics

Chuck Smith, Editor

Send all equipment reviews, technical articles, technical tips and questions on such subjects as receivers, antennas, preamps, accessory equipment, repeaters, links, tones, scramblers, non-voice data transmissions or even computer applications for monitoring to: Chuck Smith, 4901 Heil Ave., #3C, Huntington Beach, CA 92649.

I'm very happy to announce that since the employment committments which caused me to temporarily relinquish my position as editor of the Technical Topics have recently been resolved, I will be able to continue in that capacity effective with this issue of the Newsletter. I've always enjoyed working with this column as well as with the RCMA in general, and I hope that with your help in the form of questions and contributions that I can make up for lost time and make the Technical Topics column one of interest.

It's been particularly exciting and gratifying for me as a founding member of the RCMA to watch its phenomenal growth. Since its inception in May of 1975 it took over four years for the membership to reach a total of 1,000 members. The leap from 1,000 to 2,000 members, in sharp contrast, took less than one year! Of course this explosive growth will taper off in time, but not before the RCMA has become one of the largest and most popular organizations of its type in the entire world!

One of the recent developments which I have watched with great interest was the addition of short-wave utility coverage to the RCMA Newsletter. When this idea was first proposed I must admit I was a little skeptical. I thought that there would be difficulty finding enough interest in this field since there are already several other radio clubs which include such coverage, and I also felt that adding such a column might result in dilution of our objectives in the area of VHF/UHF public service monitoring. Happily, it appears that I was wrong. Initial response to the utility column seems good, and I shall look forward to adding questions and contributions about short-wave monitoring to the Technical Topics column.

As always, any column in the Newsletter is only as good as the response and support that it derives from the general membership. Since the job of any editor is to organize and present material rather than generate it him or herself, I naturally turn to you, the readers, for help. Now that the Technical Topics column is back on the air again, let's have all those articles and questions that you must have been saving up over the past couple of months. The faster you get on the stick and get that material to me, the sooner I can stop using you as an excuse and start putting together the big fat columns that used to make Iden tell me not to write so much! With the newer expanded coverage of the RCMA it seems reasonable to me that there should be more questions than ever before. Please don't assume, as I've said many times before, that your question is too simple; just send it in and let me decide how to handle it--after all, that's my job. I can't guarantee to have all the answers, that's for sure, but if I don't have it and can't get it, I'll make sure to air your question to the readers out there and one way or another we'll find someone who does. I'm also not much at writing personal answers to questions, so do yourself a favor and hold onto your self-addressed stamped envelopes because I don't need them. If your question is important enough to answer, I figure that it's important enough to answer here in the column so that everyone can benefit from it. After all, lots of readers may have the same question, and I might as well answer it for everyone at the same time, right?

Well, I'm sorry that my return debut must be brief, but it takes time and effort to prepare this thing properly, and I must admit I'm counting on you readers for a lot of support. Start those questions and articles coming in and let me take it from there. I'm glad to be back, my best to all of you, and good listening!!

My main interest in testing the antenna was to see how it performed in pulling in UHF and high-band stations from the New York metropolitan area. The hill that I sit on is 400 feet above sea level, one of the highest in the Philadelphia area. From this vantage point, I often am able to copy traffic in the metro New York area and south to Baltimore and Washington, DC. I can copy east to the Jersey shore and west to about Harrisburg, PA.

Not having a rotor, I wanted to point the Scanner Beam in the best possible method toward New York City. I programmed a couple of active Big Apple frequencies into the scanner including FDNY on 154-MHz band, weather on 162.55 MHz and Gateway National Park on 166.325 MHz. All the frequencies would help be get a good bearing on the best possible signal. I stuck the scanner out the window and climbed up the ladder to the roof where I started swinging the antenna around to get the best signal on these channels.

That night, I started scanning the bands. Right away, I started pulling in Suffolk County police high-band repeaters on the eastern end of Long Island without difficulty and good reception. Since then, I also have been able to use the Scanner Beam to pull in the New York City police T-band channels on 470 and 476 MHz. Sometimes, however, the omni-directional UHF antenna works better.

Mobiles on high-band also come in better with the beam and can be copied pretty well throughout the county to the north of here.

There are two things that I must make note of however. First, the beam is located to the side of a mast that contains a high-band omni, a UHF omni and a CB ground plane. The antenna really should be mounted away from other antennas and the mast to allow better reception. I'm sure my reception would be even better, if I didn't have to contend with all the antennas on the same 15-foot mast. Also, I used RG-58U coax (20 feet) for the lead-in. The antenna actually calls for 75-ohm cable, rather than the 52-ohm. Since the antenna basically is a modified TV antenna mounted on its side, it is 300-ohm, however, the antenna comes with a 4:1 matching balun transformer to adapt to coaxial cable.

The antenna has seven elements in a log-periodic dipole array and resembles an omni-directional vertical dipole on low band. The boom is 44 inches long.

The antenna has a gain of 6 to 8 dB above a dipole on high and UHF bands and has a VSWR of 1.92:1. The beam also has a 15dB front-to-back ratio.

Not only can the antenna be used for monitoring, but amateur radio as well, in the 144, 220 and 420-MHz bands for transmitting. Also, because of the offset mount, the beam can be tilted vertically for satellite reception.

I asked Bob about its usage possibly at the new 800-MHz band. He replied: "With the elements swept forward, third harmonic performance is enhanced by merging these normal cloverleaf pattern of a 3/2-wave dipole. This means that the antenna elements cut for the 266-320 MHz band should provide reception on the 806-960 MHz band. This is conjectural and I would value any report which you can provide as to its performance up there."

The antenna comes fully assembled; the elements snap into place. The best thing going for the antenna is its price, $39.95 plus $4 shipping. That's far less than most commercial VHF and UHF beam antennas.

For more information, contact Grove Enterprises, Inc., Route 1, Box 156F, Brasstown, NC 28902.

From Mike (CA-LA-008)

In both of the commentaries in last month's issue about the Bearcat 160, one important feature (actually a non-feature) missed by both reviewers was that the 160 DOES NOT have "Track Tuning". Sensitivity definitely degrades at the band extremes; this is also probably the motivation behind the reduced UHF coverage. Electra's "Track Tuning" is a very complex network of precision components, and my educated guess is that the retail price would be about $50 higher if that feature was included. That would consequently push the price range of the radio out of reach of the market the 160 is aimed at.

The other missing feature - no 12VDC supply - is a function of the vacuum flourescent (green) display, which requires about 30 volts, and other internal functions. These higher voltages are simply tapped off of the supply transformer rather than being generated by voltage-multiplier circuits which would obviously require more components. It follows that, unlike the somewhat stripped crystal BC6 and BC8, the 160 cannot be simply modified for mobile use. You are, of course, welcome to use an inverter (shades of the 101!), but that almost makes up the difference between the 160 and the new 210XL, which has all of the standard Bearcat performance features.

In other words, the BC160 is exactly what it is - a good entry-level digital monitor.

On the Bearcat line in general, the 160 was introduced to bolster Electra's low-end products, as the 220, 250, and 300 are complex-function scanners which made the line very top-heavy. The BC210 and BC211 have been dropped and replaced with the 210XL, which is a 211 with a 210-style keyboard and flourescent display. The BC5-800 may shore-up their crystal line for a while, but the 160 put the handwriting on the wall about at least the BC12.

The BC250 was very quietly overhauled recently. It now contains the simplified synthesizer design originally introduced by the 220 and shared with the 300. The 250 was formerly based on the mixer/divider/PLL of the 210. The current scheme feeds a divider/PLL directly from the VCO. The newer circuit has far fewer birdies, but has a slightly higher noise level which usually means poorer sensitivity; however, this has apparently not held true. The upshot of this "new" 250 is that the 210XL, 220, 250, and 300 are identical in the parts that do the real work and the choice becomes merely one of features.

Incidentally - the estimated battery life of the TWO nine volt batteries needed for the power-off memory of the 160 and 210XL is about 18 HOURS! This is because the memory is contained in the microprocessor, which has to be fully powered to retain memory. The other models get around this by having the frequency memory on a specialized IC separate from the microprocessor.

## REVIEW OF THE SCANNER BEAM ANTENNA

By Chuck Gysi (PA-005):

The new Scanner Beam antenna, designed by RCMA Federal Government/Military editor Bob Grove and marketed through his firm, Grove Enterprises, is now available.

The Scanner Beam is designed to work over the continuous frequency range of 108 to 512 MHz. I have had one of these antennas on the roof for more than a month now and am pleased to report good results.

## under 30 MHz

Chris Devendorf, Editor

# Shortwave Utility

This column is for reporting RTTY, CW, MCW, SSB, AM and FAX reception reports, explanatory notes, articles and questions relating to frequencies below 30 MHz. Services covered in this column will be military, civilian aeronautical, coastal/maritime, SSB broadcast feeders, government, beacons, weather, voice markers, time/frequency stations, etc.--essentially everything except broadcast, CB and amateur radio. Send to: Chris Devendorf, 29261 Buckhaven, Laguna Niguel, CA 92677. If you need a Shortwave Utility report form, please enclose a SASE with your request.

---

Ron Pokaticoff (IL-083) writes: I just got the Sony ICF-2001 computor AM-FM-Shortwave radio. Fantastic! Perfect sideband, no drift whatsoever! Great sound! The only fact is the selectivity, which is only fair.

I have had some inquiries regarding the deadline for the incoming loggings. Generally, if I receive them prior to the 1st of any month, they most likely will appear in the next issue to be printed.

For those of you who are not familiar with it, SPEEDX is a shortwave radio club covering international broadcasting and utilities. The utility column editor is a fellow RCMA member, Mike Chabak (AZ-023) who is also a frequent contributor to my column. Several of us in the RCMA are also members of SPEEDX. For information, please write: SPEEDX, Box E, Elsinore, CA 92330.

There are many "standardized" abbreviations used by utility buffs in their loggings. Some of you may not be familiar with these, so I thought I would cover some of the most common ones.

| | | | |
|---|---|---|---|
| a | approximate | r/c | radio check |
| A/C | aircraft | sta | station |
| bcst | broadcast | tfc | traffic |
| clg | calling | unid | unidentified |
| mkr | marker | vm | voice marker |
| nx | news | w/ | with |
| OM | male | wkg | working |
| P/P | phone patch | YL | female |
| R. | radio | Z | GMT (Greenwich mean time) |
| r/ | relay to | | |

Languages are abbreviated as:

| | | | |
|---|---|---|---|
| AA | Arabic | JJ | Japanese |
| CC | Chinese | KK | Korean |
| DD | Dutch | PP | Portuguese |
| EE | English | RR | Russian |
| FF | French | SS | Spanish |
| GG | German | VV | Vietnamese |
| II | Italian | | |

## INFO

USAF - STATEGIC AIR COMMAND

Some of the most active of the military voice circuits are thoses of the Strategic Air Command. The frequencies are used by communications stations, airborne

command posts, bomber/tanker bases, missile control centers and aircraft in flight. The four main communications stations are located at, OFFUTT AFB (NE), MARCH AFB (CA), BARKSDALE AFB (LA), and WESTOVER AFB (MA). Coded messages are sent on the hour, as well as at 15, 30 and 45 minutes past. Some unscheduled messages will also be heard

Ground stations and airborne command posts use tactical callsigns consisting of one or two words. (BASEBALL, DARK SKY, etc) Bombers and tanker aircraft use calls consisting of a 3-5 letter word followed by two digits. (BEN 25, FLAKE 66, etc) Wing and squadron command posts use callsigns similar to those of the aircraft, replacing the 2 digits with "Control". (BEN CONTROL, FLAKE CONTROL, etc) Types of callsigns other than those described above, usually belong to units involved in special operations or exercises, like mobile communications teams, etc. Callsigns are changed for all stations every 24 hours at 0000Z. Two callsigns remain constant however, SKY KING which is a call to all stations, and SKY BIRD which is a call from an aircraft to any communications station that can copy.

The primary frequencies and their identifiers are:

4725 (V) 6761 (Q) 9027 (R) 11243 (A) 13241 (S) 15041 (M) 17975 (T)

All frequencies are used primarily in the USB mode. Other frequencies are used, but far less often.

# INTERCEPTS

The contributors this month are:

| | | | |
|---|---|---|---|
| Mike Chabak | AZ-023 | "MC" | HQ-180 |
| Chris Devendorf | CA-OR-050 | "CD" | DR-33 |
| Steve Handler | IL-001 | "SH" | ICF-2001 |
| Ronald Pakaticoff | IL-083 | "RP" | ICF-2001 |
| Jerry Short | CA-OR-002 | "JS" | FRG-7 |
| Rickey Stein | NJ-001 | "RS" | FRG-7000 |

## Voice

| | | | | | |
|---|---|---|---|---|---|
| 4066 | USB | 9-4 | 2114 | USS TARAWA (LHA-1) wkg SAN DIEGO ICSB-1 | CD |
| 4360 | USB | 9-4 | 2114 | SAN DIEGO ICSB-1 wkg USS TARAWA | CD |
| 4486 | USB | 9-29 | 1330 | MASTADON COMM (ship?) wkg ABNORMAL 2Ø (Wheeler AFB) w/patch to CHALMER Ø via ABNORMAL 1Ø switchboard | MC |
| 5700 | USB | 9-29 | 1256 | MASTADON COMM (ship?) wkg ABNORMAL 2Ø (Wheeler AFB) | MC |
| 5703 | USB | 9- | ?? | CROUGHTON, England (USAF) wkg 452 w/phone patch | SH |
| 5707 | USB | 9-18 | 1257 | AIR FORCE AUCKLAND, NZ wkg KIWI 96Ø | MC |
| 6512.6 | USB | 9-28 | 0730 | GEN. PACHECO RADIO, Buenos Aires, EE/YL & SS/OM vm | MC |
| 6693 | SSB | 9- | ?? | UNID. STA., British accent w/ Wx info | SH |
| 6800 | USB | 9- | ?? | RED DOG BASE wkg RED DOG 1 (remote) and RED DOG 2 (mobile, 6 mi east of Lewiston) | SH |
| | USB | 9- | ?? | BIRDWATCHER (Base) w/ war games wkg KING 21, KING 43 BARGE 44 and BOSCO 19. | SH |
| 6842 | SSB | 9- | ?? | BBC Fixed Feeder in SS | SH |
| 6873 | ISB | 9- | ?? | VOA Fixed Feeder | SH |
| 7768 | SSB | 9- | ?? | Deutsche Welle Fixed Feeder in EE | SH |
| 7893 | SSB | 9- | ?? | BBC Fixed Feeder in FF | SH |
| 7973 | SSB | 9- | ?? | BBC Fixed Feeder in EE | SH |
| 8840 | AME | 10-3 | 1401 | SINGAPORE wkg AIR FRANCE 191 (SEA-2 net) | MC |
| | AME | 10-3 | 1416 | BANGKOK wkg PHILIPPINE Ø1Ø (SEA-2 net) | MC |
| 8854 | AME | 10-1 | 1215 | BANGLADESH Ø8Ø wkg TOKYO (CWP-1/2 net) | MC |
| 8868 | AME | 10-3 | 1327 | SINGAPORE wkg MAC 6Ø138 (SEA-2 net) | MC |
| 8868 | AM | 10-3 | 1342 | JAKARTA, Indonesia wkg QUANTAS 18 (SEA-2 net) | MC |
| 8968 | SSB | 9- | ?? | LOCKHEED FLIGHT wkg 4868 (aircraft) | SH |
| 8975 | USB | 9-15 | 0345 | BURNING BUSH wkg EN251 (USN) | MC |
| 8984 | USB | 9-18 | 1250 | AIR FORCE AUCKLAND, NZ wkg KIWI 96Ø | MC |
| 8989 | USB | 9-15 | 0351 | COAST GUARD 16Ø2 wkg ELMENDORF P/P to ANCHORAGE CTR | MC |
| 8997 | USB | 10-2 | 0251 | SIPLE STATION wkg SOUTH POLE STATION, Antarctica | MC |
| 9023 | USB | 9-18 | 1331 | HUNTRESS (Malstrom AFB, MT) wkg ADOPTED radio check | MC |

| | | | | | |
|---|---|---|---|---|---|
| | USB | 10-1 | 1240 | JOCKEY receiving coced tfc from GOLIATH (NORAD) | MC |
| 9027 | USB | 9- | ?? | GOODRICH & GRAPEVINE (USAF-SAC) | SH |
| 10093 | SSB | 9-27 | 0707 | SIDNEY wkg unknown station (LDOC net) | RP |
| 10136 | SSB | 9- | ?? | UNID Fixed Feeder | SH |
| 10223 | USB | 9- | ?? | UNID Radio-Telephone circuit | SH |
| 10523.6 | USB | 9-1 | 1245 | HAMPYONG LORAN wkg YAKOTA MONITOR (USAF) | MC |
| | USB | 9-16 | 1300 | POHANG LORAN, S. Korea radio check w/ YAKOTA MON. | MC |
| 10917 | SSB | 9- | ?? | OFIPOSTEL Nouakchott, Mauritania FF/OM vm | SH |
| 11176 | USB | 10-1 | 1303 | CLARK, Philippines wkg FLYING TIGER 25 P/P to Metro | MC |
| 11190 | SSB | 9-25 | ?? | Unknown tactical station | RP |
| 11191 | USB | 10-7 | 1833 | LE wkg RZ, relay to 7F (USN Hicom net) | JS |
| 11204 | SSB | 9- | ?? | 3T5I, british accent with wx info | SH |
| 11234 | USB | 9-15 | 1320 | DIEGO TOWER, Diego Garcia wkg MAC 6Ø142 | MC |
| 11235 | USB | 9-29 | 0641 | AIR FORCE TOWNSVILLE, Aust wkg WOMBAT 75, r/c | MC |
| | USB | 9-29 | 0642 | AIR FORCE DARWIN, Aust wkg KIWI 822 | MC |
| 11239 | USB | 10-7 | 1700 | MAC 67949 wkg MC CLELLAN (USAF) | JS |
| 11246 | USB | 9- | ?? | MAC DILL wkg RAT 91 P/P to 21st Metro | SH |
| 11267 | SSB | 9- | ?? | UNID tactical stations | SH |
| 13201 | USB | 9- | ?? | LORING wkg MAC 38Ø9Ø (USAF) | SH |
| | USB | 9-24 | 0554 | ANDERSON, Guam wkg AL459 | MC |
| | USB | 9-29 | 0556 | SWAN 6Ø wkg ANDERSON, P/P to SWAN MONITOR | MC |
| 13241 | USB | 9- | ?? | GOODRICH and GRAPEVINE (USAF-SAC) | SH |
| 13356 | SSB | 9-25 | 1722 | DELTA 15 wkg unknown station (LDOC net) | RP |
| 13590 | SSB | 9- | ?? | RADIO MOSCOW Fixed Feeder in RR | SH |
| 13690 | SSB | 9- | ?? | Radio Free Europe Fixed Feeder | SH |
| 13973 | SSB | 9- | ?? | NNNØOWB wkg South Pole Station (USN-MARS) | SH |
| 13977 | SSB | 9- | ?? | (USAF-MARS, South American Gateway net) | SH |
| 14661 | SSB | 9- | ?? | (MARS tfc) | SH |
| 14960 | USB | 9- | ?? | Moscow Radio Telephone Sta, YL/EE vm | SH |
| 14983 | SSB | 9- | ?? | (Scrambled voice transmission) | SH |
| 15031 | SSB | 9- | ?? | Unid aircraft wkg unknown ground station | SH |
| 15041 | SSB | 9- | ?? | GOODRICH and GRAPEVINE (USAF-SAC) | SH |
| 15670 | ISB | 9- | ?? | BBC Fixed Feeder | SH |
| 15775 | ISB | 9- | ?? | Radio Free Europe Fixed Feeder | SH |
| 15849 | ISB | 9- | ?? | BBC Fixed Feeder | SH |
| 16065 | ISB | 9- | ?? | Radio Free Europe Fixed Feeder | SH |
| 16193 | USB | 9- | ?? | Radio Moscow Fixed Feeder in EE | SH |
| 17941 | SSB | 9-25 | 1651 | NEW YORK wkg AMERICAN 652 (LDOC net) | RP |
| 17975 | USB | 9- | ?? | BLASER 84 clg on "T" freq (USAF-SAC) | SH |
| 18124 | USB | 9- | ?? | OM/EE with test count, then RTTY | SH |
| 18150 | SSB | 9- | ?? | Radio Moscow Fixed Feeder | SH |
| 18172 | ISB | 9- | ?? | Unid Fixed Feeder | SH |
| 18275 | ISB | 9- | ?? | VOA Fixed Feeder | SH |
| 18607 | ISB | 9- | ?? | Unid Fixed Feeder | SH |
| 19260 | ISB | 9- | ?? | VOA Fixed Feeder | SH |
| 19275 | SSB | 9- | ?? | NUMBERS STATION - YL/GG 5-digit groups | SH |
| 19455 | ISB | 9- | ?? | BBC Fixed Feeder | SH |
| 19480 | SSB | 9- | ?? | VOA Fixed Feeder | SH |
| 19505 | ISB | 9- | ?? | VOA Fixed Feeder | SH |
| 19722 | ISB | 9- | ?? | VOA Fixed Feeder | SH |
| 20125 | ISB | 9- | ?? | VOA Fixed Feeder | SH |
| 20455 | ISB | 9- | ?? | BBC Fixed Feeder | SH |
| 20558 | USB | 9- | ?? | French Telecom Network, Paris, FF/EE OM vm | SH |
| 20614 | LSB | 9- | ?? | French Telecom Network, Paris, FF/EE OM vm | SH |
| 20994 | SSB | 9- | ?? | (MARS) P/P from Germany to USA | SH |

## Morse

| | | | | | |
|---|---|---|---|---|---|
| 7714 | CW | 9-23 | 0620 | "Q" beacon, very slow (7 sec to complete letter) | MC |
| 8547.5 | CW | 9-16 | 1231 | JFA Matsudo Radio, Japan, CQ marker | MC |
| 8638.5 | CW | 9-15 | 0446 | DAM Norddeich Radio, Germany, V marker | MC |
| 8646 | CW | 9-16 | 1216 | FUJ Noumea, New Caledonia, V mkr (French navy) | MC |
| | CW | 9-21 | 1203 | "F" beacon, slow morse (behind FUJ mkr) | MC |
| 8992 | CW | 9-23 | 0535 | 6WW Dakar, Senegal, V mkr (French navy) | MC |
| 10254 | CW | 8-25 | 0535 | "Q" beacon (repeats every 2 seconds) | MC |
| 12799.5 | CW | 10-3 | 2048 | PCH51 Scheveningen Radio, Holland, CQ marker | RS |
| 12934.5 | CW | 8-21 | 2213 | EDZ5 Aranjuez, Spain, CQ marker | RS |

| | | | | | |
|---|---|---|---|---|---|
| 13213 | CW | 9-17 | 1325 | FUX Reunion Island, V mkr (French navy) | MC |
| 13235.5 | CW | 9-28 | 0710 | HWN Paris, France, V mkr (French navy) | MC |
| 22387 | CW | 8-31 | 1346 | ESF Tallinn Radio, USSR, testing | RS |
| 23075 | CW | 10-1 | 2222 | WFN23 New York, QRA mkr (AP) | CD |

## RTTY

| | | | | | |
|---|---|---|---|---|---|
| 2787.5 | 66/425R | 9-27 | 0247 | EBA/RETJ Madrid, Spain, coded tfc, RY (Sp navy) | RS |
| 4489 | 66/425R | 8-28 | 0242 | GFL26 Bracknell Metro, UK, coded weather | RS |
| 6357.1 | 66/850R | 9-27 | 0324 | EBA/RETJ Madrid, Spain, SS tfc (Spainish navy) | RS |
| 6451a | 66/850 | 9-27 | 0327 | CFH Halifax, Canada, coded tfc (military) | RS |
| 6795 | 66/425R | 9-27 | 0330 | LZM7 Sofia, Bulgaria, RY/CQ/metro tfc | RS |
| 11541 | 66/425 | 9-4 | 2128 | 7OC Aden, Yemen, backwards tape | RS |
| 10543 | 66/425 | 9-4 | 2114 | (Ex-DMV54) Berlin, GDR, 5 ltr gps, GG (ADN) | RS |
| 12507a | 66/170 | 8-26 | 0407 | (unk call) RTMS NOVOKIEVA wkg NAKHODA Radio | RS |
| 12521a | 66/170 | 9-3 | 0359 | UBUD? SKULPTOR VUCHETIC wkg LENINGRAD Radio | RS |
| 12524a | 66/170 | 9-5 | 0203 | (unk call) POLIVANOVA wkg SEVASTOPOL Radio | RS |
| 12786 | 100/170 | 9-23 | 2024 | NMG New Orleans (USCG) wkg WTER (simplex) | CD |
| 12799.5 | 66/170R | 9-23 | 0645 | UKA Vladivostok, USSR wkg A ZAHAROW w/msg tfc | CD |
| 12932.5 | 66/850R | 9-4 | 2134 | EBA/RETJ Madrid, Spain, RY test (Sp navy) | RS |
| 13597.5 | 66/425R | 9-27 | 1442 | OLI2 CETEKA Pargue, Czech., SS news | RS |
| 13624 | 100/850 | 8-26 | 0331 | WBR5 Miami, FL, coded weather | RS |
| 14901 | 66/425 | 9-27 | 1456 | CLN451 Havana, Cuba, SS news (PL) | RS |
| 14928 | 66/850 | 10-1 | 2155 | CLN452 Havana, Cuba, SS news (PL) | CD |
| 15930 | 66/425 | 9-30 | 1835 | (Unk call) Hanoi, VN "Paris DE hanoi" | CD |
| 16137 | 66/425 | 9-4 | 2101 | CML47 Havana, Cuba, RY/Fox to ITT (PTT) | RS |
| 16146 | 66/425 | 9-3 | 0733 | (So Africa navy?) RSNZBRBFDJ and coded tfc | RS |
| 16190 | 66/425 | 9-3 | 0707 | RGW26 Moscow, USSR, AA tape (TASS) | RS |
| 16205 | 66/425 | 9-7 | 2224 | STK Khartoum, Sudan, RY test | RS |
| 16651a | 66/170 | 9-3 | 0329 | UKNA or UKNR VARNA clg NOVOROSSIJK Radio | RS |
| 16701a | 66/170 | 9-20 | 1206 | UIDJ KRASNOFF wkg URD Leningrad | RS |
| 16702a | 66/170 | 9-22 | 0259 | (Unk call) GEVRENKO wkg ODESSA Radio, RY | RS |
| 16704a | 66/425 | 9-3 | 0335 | HDN Quito, Ecuador, RY test (Ecuador navy) | RS |
| 17123a | 66/425 | 8-30 | 2350 | PWZ Rio de Janiero, Brazil, PP & code tfc (navy) | RS |
| 17455 | 66/425R | 9-30 | 1829 | (HXX23 Paris?) weather tfc | CD |
| 18038a | 100/425 | 9-30 | 2052 | Belgrade, Yugoslavia, RY & code (TANJUG) | RS |
| 18040 | 66/425 | 8-30 | 1205 | UNID sta, FF news | RS |
| 18041a | 100/425 | 10-3 | 2034 | Belgrade, Yugoslavia, tfc in Croatian? (TANJUG) | RS |
| 18050a | 100/425 | 10-2 | 2319 | Belgrade, Yugoslavia, tfc in Croatian? (TANJUG) | RS |
| 18067.5 | 66/850R | 9-30 | 1437 | NBA Balboa, CZ, EE tfc with vessel info (USN) | RS |
| 18089a | 66/425 | 9-30 | 2147 | UNID sta, Czech or Polish + 5-digit groups | RS |
| 18103a | 66/170R | 9-27 | 1216 | GPU38 London, UK, EE news (AP) | RS |
| 18220.9 | 66/425R | 9-27 | 1224 | CNM76 Rabat, Morocco, dbl spaced EE news (MAP) | RS |
| 18224.9 | 66/425R | 9-27 | 1224 | CNM77 Rabat, Morocco, dbl spaced EE news (MAP) | RS |
| 18401a | 66/425 | 9-30 | 1341 | Jakarta, Indonesia, EE news (MFA?) | RS |
| 18405 | 66/425R | 9-27 | 1224 | RCT54 Moscow, USSR, FF news (TASS) | RS |
| 18412a | 66/425R | 9-30 | 1432 | MKG London, UK, RYI/Fox test (RAF) | RS |
| 18451a | 66/425 | 8-30 | 2310 | Havana, Cuba, SS & 5-digit gps (EMBACUBA) | RS |
| 18479a | 66/425R | 9-27 | 1227 | Rabat, Morocco, EE news (MAP) | RS |
| 18540 | 66/425R | 9-27 | 1228 | RKB56 Moscow, USSR, FF news (TASS) | RS |
| 18601a | 66/425 | 10-1 | 1308 | (unk call) EE news (PL) | RS |
| 18697.5 | 66/425 | 9-27 | 1227 | DFS7ØL3 Hamburg, Germany, EE tfc (DPA) | RS |
| 18700.1 | 66/425 | 10-1 | 1545 | DFS7ØH1 Quickborn, Germnay, EE tfc (DWD) | RS |
| 18706a | 66/425 | 9-27 | 1231 | Jakarta, Indonesia, 5-ltr gps & unk language(MFA) | RS |
| 18750.6 | 66/425R | 10-1 | 1816 | MKG London, UK, RYI/Fox test (RAF) | RS |
| 18751.4 | 66/425R | 9-27 | 1237 | MKG London, UK, RYI/Fox test (RAF) | RS |
| 19095a | 66/425 | 9-30 | 1315 | Jakarta, Indonesia, 5-ltr gps & msg to Tokyo | RS |
| 19235 | 66/425R | 9-1 | 1211 | RWW7Ø Moscow, USSR, FF news (TASS) | RS |
| | 66/425R | 9-30 | 1637 | RWW7Ø Moscow, USSR, FF news (TASS) | RS |
| 19296a | 66/170 | 9-30 | 1638 | Havana, Cuba, SS tfc (EMBACUBA?) | RS |
| 19443 | 66/425 | 9-1 | 1212 | (Ex-DES) Berlin, GDR, GG news (MFA) | RS |
| 19505 | 66/425 | 9-1 | 1217 | RDZ36 Moscow, USSR, EE news (PL) | RS |
| 19605 | 66/425 | 9-1 | 1222 | YZJ9 Belgrade, Yugoslavia, FF news? (TANJUG) | RS |
| 19830 | 66/425R | 9-3 | 1532 | RWW76 Moscow, USSR, FF news & RY (TASS) | RS |
| 19976.2 | 66/425R | 9-1 | 1226 | GPA39 London, UK clg Caribbean (LPS) | RS |
| 20350 | 66/850R | 8-31 | 1357 | NBA Balboa, CZ, SS tfc and RY (USN) | RS |
| 20519a | 66/850 | 8-30 | 2317 | LOL Buenos Aires, Argentina, clg YWM and RY | RS |

| | | | | | |
|---|---|---|---|---|---|
| 20934.9 | 66/425R | 9-27 | 1158 | SOV29 Warsaw, Poland, ID & freqs (PAP) | RS |
| 20965 | 66/850R | 8-25 | 1550 | RKB70 Moscow, USSR, FF news (TASS) | RS |
| | 66/425R | 8-31 | 1402 | RKB70 Moscow, USSR, AA news, dbl spaced (TASS) | RS |
| 22124a | 66/425 | 9-26 | 2025 | STK Khartoum, Sudan, RY test | RS |
| 22379a | 66/425 | 9-26 | 2040 | ONY22 Belgium clg PAC27 & mermaid test (military) | RS |
| 22782.5 | 66/425R | 9-3 | 1521 | WFN62 New York, EE news (USIA) | RS |
| 22810 | 66/850 | 9-30 | 1839 | NBA Balboa, CZ testing (USN) | CD |
| 22813 | 66/425 | 9-3 | 1523 | Y2V29 Berlin, GDR, SS news (ADN) | RS |
| 22915 | 66/425 | 9-3 | 1524 | FTW91 Paris, France, FF news (Diplo) | RS |
| 23865a | 66/425 | 9-26 | 1930 | Havana, Cuba, SS and 5-digit gps to YEMEN (MFA) | RS |
| 23999.9 | 66/425 | 9-22 | 1530 | Y7A79 Berlin, GDR, QRA tape (MFA) | RS |
| 25450 | 66/850R | 9-8 | 1506 | RSVI Capetown, S Africa, testing (navy) | RS |

# Railroads

Ken Fitzgerald, Editor

**Send information about railroad frequencies and their uses, radio system details, tips for monitoring railroads, explanations of railroad jargon and related information and questions to: Ken Fitzgerald, 121 East Hackberry, Enid, OK 73701.**

Hello in December, and a Merry Christmas to everyone! For this month's column I have some updated information on the Santa Fe, and a new list of Amtrak radio assignments which shed light on the basic radio systems of the railroads upon which Amtrak operates.

I discussed the basics of Santa Fe's mobile PBX access system in the May 1980 newsletter. The actual channel assignment of each frequency pair assigned to PBX use varies from mobile to mobile depending upon type of service and geographic region. Most units are equipped to operate on the PBX channels in use in their territory only, but the railroad's business cars travel over the entire system attatched to freight or special trains, and therefore are equipped with 8 channel Motorola Micor radios with their channels assigned in the following order:

| | Tower Output/Mobile Input |
|---|---|
| Channel 1 (Train Operations) | 160.650 (simplex) |
| Channel 2 (Right-of-Way Maintenance) | 161.010 (simplex) |
| Channel 3 (Mobile PBX Access) | 160.260/161.490 |
| Channel 4 (Mobile PBX Access) | 160.335/161.460 |
| Channel 5 (Mobile PBX Access) | 160.560/161.490 |
| Channel 6 (Mobile PBX Access) | 160.245/161.535 |
| Channel 7 (Mobile PBX Access) | 160.425/161.295 |
| Channel 8 (Reserved for Future Expansion) | |

Useage of the systemwide channel 2 for maintenance of way is due to be expanded in the near future. At present, all mobile units are set up to talk mobile-to-mobile only on this channel, but base stations will be installed at key locations over the system soon. The base stations will be mounted on Santa Fe's microwave towers and controlled through the microwave channels from the nearest division engineer's office. Radio traffic on 161.010 should increase considerably as a result.

In the July 1980 column I printed a list of Amtrak radio assignments dated November 14, 1979, and now Joe M. Lewis(MD-015) has been kind enough to provide me with an updated and expanded list dated August 8, 1980. Since a single Amtrak train usually has to be operated over the tracks of several different railroads to reach its destination, the locomotive radios must be equipped with the road and/or dispatcher channel(s) for each company. As in the July column, the three digit code in the far left column is stamped on the drawer unit of each Amtrak radio, while the control heads are left blank except for channel designations. To learn what channels he is equipped with on a certain locomotive, an engineer must match the three digit code stamped on each drawer unit to the codes on this list.

The "A1" through "B4" designations refer to the channel numbers on the radio's control head in the locomotive cab. The control head has two selector knobs--one with channels 1 through 4 and the other to select the A or B range. The intitials in parenthesis next to the railroad's name refer to the old railroad company--previous to merger--that the channel was used by. Transmit and receive frequencies are given for the locomotives, so for the two-frequency simplex systems used by several railroads below for dispatcher channels, base station transmit and receive would be the opposite, while single-frequency simplex systems would be the same.

AMTRAK RADIO ASSIGNMENT

August 8, 1980

| | RAILROAD | SERVICE | TRANSMIT | RECEIVE |
|---|---|---|---|---|
| 001 | A1- M.P. | Road | 160.410 | 160.410 |
| | A2- T.P. & W. | Road | 161.400 | 161.400 |
| | A3- G.T.W. | Road | 160.590 | 160.590 |
| | A4- G.T.W. | Dispatcher | 160.530 | 160.530 |
| | B1- I.C.G.(IC) | Road #1 | 161.190 | 161.190 |
| | B2- I.C.G.(GM&O) | Road #2 | 160.920 | 160.920 |
| | B3- Conrail | Road #1 | 160.800 | 160.800 |
| | B4- Conrail | Road #2 | 161.070 | 161.070 |
| 002 | A1- A.T. & S.F. | Road | 160.650 | 160.650 |
| | A2- S.P. | Road | 161.550 | 161.550 |
| | A3- B.N. | Road | 161.100 | 161.100 |
| | A4- U.P. | Road | 160.740 | 160.740 |
| | B1- Milwaukee | Road | 160.770 | 160.770 |
| | B2- M.P. | Road | 160.410 | 160.410 |
| 006 | A1- Conrail | Road #1 | 160.800 | 160.800 |
| | A2- S.C.L.(ACL) | Road | 160.590 | 160.590 |
| | A3- Chessie | Road #1 | 160.230 | 160.230 |
| | A4- Chessie | Road #2 | 160.320 | 160.320 |
| | B1- R.F. & P. | Road | 161.550 | 161.550 |
| | B2- R.F. & P. | Dispatcher | 161.490 | 161.550 |
| | B3- Southern | Road | 160.950 | 160.950 |
| | B4- Southern | Dispatcher | 160.830 | 160.245 |
| 008 | A1- M.P. | Road | 160.410 | 160.410 |
| | A2- A.T. & S.F. | Road | 160.650 | 160.650 |
| | A3- G.T.W. | Road | 160.590 | 160.590 |
| | A4- G.T.W. | Dispatcher | 160.530 | 160.530 |
| | B1- I.C.G.(IC) | Road #1 | 161.190 | 161.190 |
| | B2- I.C.G.(GM&O) | Road #2 | 160.920 | 160.920 |
| | B3- Conrail | Road #1 | 160.800 | 160.800 |
| | B4- S.P. | Road | 161.550 | 161.550 |

| | | RAILROAD | SERVICE | TRANSMIT | RECEIVE |
|---|---|---|---|---|---|
| 010 | A1- | S.C.L.(ACL) | Road | 160.590 | 160.590 |
| | A2- | S.C.L.(SAL) | Road | 161.100 | 161.100 |
| | A3- | R.F. & P. | Road | 161.550 | 161.550 |
| | A4- | R.F. & P. | Dispatcher | 161.490 | 161.550 |
| | B1- | Conrail | Road #1 | 160.800 | 160.800 |
| | B2- | Conrail | Road #2 | 161.070 | 161.070 |
| | B3- | L. & N. | Dispatcher | 161.520 | 161.370 |
| | B4- | L. & N. | Road | 161.370 | 161.370 |
| 012 | A1- | Conrail | Road #1 | 160.800 | 160.800 |
| 30 Watts | A2- | Conrail | Road #2 | 161.070 | 161.070 |
| | A3- | B. & M. | Road | 161.400 | 161.400 |
| | A4- | B. & M. | Dispatcher | 161.520 | 161.160 |
| | B1- | C.V./C.N. | Dispatcher | 161.205 | 161.205 |
| | B2- | C.V./C.N. | Road | 161.415 | 161.415 |
| | B3- | C.V./C.N. | Maintenance of Way | 160.935 | 160.935 |
| | B4- | C.V./C.N. | Train to Wayside | 161.205 | 161.205 |
| 014 | B1- | Conrail | Road #1 | 160.800 | 160.800 |
| 30 Watts | B2- | Conrail | Road #2 | 161.070 | 161.070 |
| 200 | A1- | Conrail | Road #1 | 160.800 | 160.800 |
| | A2- | Conrail | Road #2 | 161.070 | 161.070 |
| | A3- | Milwaukee | Road | 160.770 | 160.770 |
| | A4- | I.C.G.(GM&O) | Road #2 | 160.920 | 160.920 |
| | B1- | I.C.G.(IC) | Road #1 | 161.190 | 161.190 |
| | B2- | T.R.R.A. | St. Louis(Road) | 160.500 | 160.500 |
| | B3- | G.T.W. | Road | 160.590 | 160.590 |
| | B4- | G.T.W. | Dispatcher | 160.530 | 160.530 |
| 202 | A1- | Conrail | Road #1 | 160.800 | 160.800 |
| 30 Watts | A2- | Conrail | Road #2 | 161.070 | 161.070 |
| | A3- | C.P. | Road | 161.475 | 161.475 |
| | A4- | C.P. | Dispatcher | 161.535 | 151.535 |
| | B1- | D. & H. | Road | 160.590 | 160.590 |
| | B2- | D. & H. | Dispatcher | 160.530 | 160.590 |
| | B3- | Conrail/M.T.A. | New Haven Line | 161.280 | 161.280 |

| | | RAILROAD | SERVICE | TRANSMIT | RECEIVE |
|---|---|---|---|---|---|
| 404 | A1- | Amtrak | Chicago Trains | 160.740 | 160.740 |
| | A2- | Conrail | Road #1 | 160.800 | 160.800 |
| | A3- | A.T. & S.F. | Road | 160.650 | 160.650 |
| | A4- | B.N. | Road | 161.100 | 161.100 |
| 411 | A1- | Conrail | Road #1 | 160.800 | 160.800 |
| 30 Watts | A2- | Conrail | Road #2 | 161.070 | 161.070 |
| | A3- | C.P. | Road | 161.475 | 161.475 |
| | A4- | C.P. | Dispatcher | 161.535 | 161.535 |
| | B1- | D. & H. | Road | 160.590 | 160.590 |
| | B2- | D. & H. | Dispatcher | 160.530 | 160.590 |
| | B3- | Conrail/M.T.A. | New Haven Line | 161.280 | 161.280 |

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AL  012 DILLARD, DWIGHT;RTE 1 BOX 449;OPP, AL  36467
AL  013 MANN, EARL S;211 WOODLAND DR;BIRMINGHAM, AL  35209
AL  014 HARRISON, JERRY;PO BOX 128;CUBA, AL  36907
AZ  024 HANSON, BOYD L;PO BOX 4304;YUMA, AZ  85364
CAAL027 STONE, RAYMOND M;11 LITTLEWOOD DR;PIEDMONT, CA  94611
CACC010 NICHELINI, ROBERT W;3236 ROHRER DR;LAFAYETTE, CA  94549
CACC011 JENSEN, HAROLD J;PO BOX 21602;CONCORD, CA  94521
CAED005 CARTER, TONY;4840 CEDAR DR;CAMINO, CA  95709
CAKI002 BELLAMY, CARL;PO BOX 509;HANFORD, CA  93232
CALA327 HARVEY, EDWARD;115 W CLAUDE;COMPTON, CA  90220
CALA328 MICHAEL;LAWNDALE, CA  90260
CALA329 UPTON-KNITTLE JR PHD, WILLIAM J;PO BOX 1977
        GLENDALE, CA  91209
CALA330 COLES, WILLIAM A;4439 PARAMOUNT BLVD;LAKEWOOD, CA  90712
CALA331 HOBLIT, IRIS;11555 AMANDA DR;STUDIO CITY, CA  91604
CALA332 VENEZIA, JACK;334 W WINDSOR #19;GLENDALE, CA  91204
CALA333 SEFFER, DALE R;540 TRONA AVE;WEST COVINA, CA  91791
CALA334 BECHTOLD, CARL M;2029 VIA ENCANTO;LOMITA, CA  90717
CALA335 LAIRD, JUSTIN;12038 SMALLWOOD;DOWNEY, CA  90242
CALA336 SAKS, JEFF D;4201-18 TOPANGA CYN BLVD
        WOODLAND HILLS, CA  91364
CALA337 LUXA, JAN L;5834 EBERLE ST;LAKEWOOD, CA  90713
CALA338 WITTE, MICHEAL;1237 CAROB WAY;MONTEBELLO, CA  90640
CALA339 STAPLETON, G.F.;17017 HAWTHORNE BLVD;LAWNDALE, CA  90260
CALA340 JENTIS, ANDREW;4470 VENTURA CANYON RD #F102
        SHERMAN OAKS, CA  91423
CAOR169 GREENHALGH, JOHN M;1559 W STONEMAN PL;ANAHEIM, CA  92802
CAOR170 HERBOLD, AGNES MAE;7198 CRESCENT AVE;BUENA PARK, CA  90620
CAOR171 HOLLAND, MICHAEL;103 EL ORIENTE #7;SAN CLEMENTE, CA  92672
CAOR172 GRIFFIN, RON;PO BOX 2385;CAPISTRANO BEACH, CA  92624
CAOR173 WILLIAMS, TERRELL E;724 N VICTORIA DR;ORANGE, CA  92667
CAOR174 KEARNEY, SCOTT;4541 VIA DEL VALLE;YORBA LINDA, CA  92686
CAOR175 TRIMBLE, EUGENE B;2900 OCEAN BLVD
        CORONA DEL MAR, CA  92625
CAOR176 PIKEN, GENE L;1870 16TH ST #L310;NEWPORT BEACH, CA  92663
CARI028 ALEXANDER, BRUCE W;BOX 2100;RIVERSIDE, CA  92506
CARI029 PARSONS, KENNETH;3113 NEWELL DR;RIVERSIDE, CA  92507
CARI030 WASHUK, JOHN O;903 MONTCLAIR DR;BANNING, CA  92220
CARI031 MORFORD, DONALD E;1545 ALTURA PL;BANNING, CA  92220
CASA013 ALTROCK, STANLEY C;3001 RAMONA AVE;SACRAMENTO, CA  95826
CASB032 CREACEY, SIDNEY R;1358 TURQUOISE AVE;MENTONE, CA  92359
CASC021 SCHMULIAN, BOB;937 FOOTHILL DR;SAN JOSE, CA  95123
CASD031 STANGER, DOUG;8635 HIGHWOOD DR;SAN DIEGO, CA  92119
CASF017 FLYNN, LTC E.R.;HQ 19;SUPPORT COMMAND A.P.O
        SAN FRANCISCO, CA  96212
CASH003 HALL, MONA L;2238 OLD ALTURAS RD;REDDING, CA  96001
CASM016 BOYAR, JAMES M;15 PANORANA COURT;HILLSBOROUGH, CA  94010
CASM017 LILLEY, HOWARD A;927 CRESTVIEW DR;SAN CARLOS, CA  94070
CASN003 HANNA, RICHARD D;18794 DEER PARK DR;SONOMA, CA  95476
CAVE020 KAFKA, STEVE;177 N MADRID AVE;NEWBURRY PARK, CA  91320
CAVE021 SATEINBRENNER, CHARLES;353 N 5TH ST
        PORT HUENEME, CA  93041
CO  023 RUSS, WILLIAM H;2215 W 17TH ST;PUEBLO, CO  81003
CO  024 HARVEY PARK RADIO;PO BOX 19224;DENVER, CO  80219
CO  025 STOCK, LEONARD J;420 EAST 57TH ST LAGO VISTA #109
        LOVELAND, CO  80537
CT  039 EVANS, JOHN R;57 CRAIGEMORE CR;AVON, CT  06001
CT  040 TUTTLE, WILLIAM S;BROWN'S LANE;OLD LYME, CT  06371
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DE 008 HALBERSTADT, WILLIAM L;505 LARK DR;NEWARK, DE 19713
DE 009 TOPPIN, THOMAS;11 LA SALLE AVE;NEW CASTLE, DE 19720
FL 077 KOBKE, WILLIAM J;14717 64TH ST;CLEARWATER, FL 33520
FL 078 THOMAS, FRANK J;PO BOX 275;CRESCENT CITY, FL 32012
FL 079 HIBBARD, GEORGE A;PO BOX 103;GROVELAND, FL 32736
FL 080 MOTTERN, B.G.;3201 NW 4TH TERRACE #37
POMPANO BEACH, FL 33064
FL 081 PENSACOLA COMMUNICATIONS;5616 OLD PALAFOX HWY
PENSACOLA, FL 32504
FL 082 KNIGHT, MERTON J;4890 96TH ST NORTH
ST PETERSBURG, FL 33708
FL 083 ROBBINS, BREWSTER G;6372 126TH AVE N, LOT 6
LARGO, FL 33543
GA 026 HARWELL, WILLIAM W;826 BROOKFIELD PKWY;AUGUSTA, GA 30907
GA 027 HOOPER, JEFF;RTE 3 BOX 91;BLAIRSVILLE, GA 30512
IA 023 KIDMAN, JOHN R;2760 HUBBELL;DES MOINES, IA 50317
IA 024 BUMGARNER, MICHAEL;401 1/2 S HOWARD;BLOOMFILED, IA 52537
IL 142 WOLD, DOUG;437 CATALPA;LIBERTYVILLE, IL 60048
IL 143 HARRIS JR, JOHN;805 S LAKE ST;MUNDELEIN, IL 60060
IL 144 MARCELL, RICHARD;1616 N 15TH AVE;MELROSE PARK, IL 60160
IL 145 JEROME;CAROL STREAM, IL 60187
IL 146 CHIPAIN, GEORGE;135 ADDISON AVE;ELMHURST, IL 60126
IL 147 GUSTAFSON, BRUCE;10294 ATWOOD RD;ROSCOE, IL 61073
IL 148 GREENBERG, KEN;4858 W LEE;SKOKIE, IL 60077
IL 149 MCLINDEN, KEVIN;141 S HALE;BARTLETT, IL 60103
IL 150 LEWIS, WENDELL;778 MAPLE LN;JUSTICE, IL 60458
IL 151 MUNDT, R.P.;1629 DOWNS DR;CALUMET CITY, IL 60409
IL 152 COFFIN, DAVE;PO BOX 139;GURNER, IL 60031
IL 153 PENNINGTON, RODNEY C;671 SHEEHAN AVE;GLEN ELLYN, IL 60137
IL 154 MILLER, LOUIS H;1010 HILLSIDE DR;BENSENVILLE, IL 60106
IL 155 COSENZA, JOHN;7501 W 58TH ST;SUMMIT, IL 60501
IL 156 VIRGIL, PERCY A;9934 S BENSLEY AVE;CHICAGO, IL 60617
IL 157 QUINLAN, ROBERT T;3939 N NEWLAND;CHICAGO, IL 60634
IL 158 KATZ, DAVE;187 HAZEL AVE;GLENCOE, IL 60022
IL 159 HOLLER, PHILIP W;9424 BUCKINGHAM CT;MAPLETON, IL 61547
IN 038 GARDNER, BARRY E;PO BOX 1579;GRISSOM AFB, IN 46971
IN 039 LAND, JOHN M;RR 7 BOX 210;GREENFIELD, IN 46140
IN 040 HUFFMAN, RANDY K;330 S PENDLETON AVE;PENDLETON, IN 46064
IN 041 ULLRICH, GEORGE;535 LOGAN DR;HAMMOND, IN 46320
IN 042 MEHAFFIE, MICHAEL S;RR 6 BOX 189;LOGANSPORT, IN 46949
KS 015 HIRSCH, TOM;8846 N OLIVER #2;WICHITA, KS 67208
KS 016 DEY JR, T.A.;1917 MOHAWK DR;OLATHE, KS 66062
KS 017 FRIENDLY, JOSEPH G;BOX 58;SELDEN, KS 67757
KY 018 OSTERMAN, FRED J;4803 FERRER WAY;LOUISVILLE, KY 40291
LA 017 GAGNON, WILFRED C;2417 VENTURA DR;CHALMETTE, LA 70043
LA 018 ROSSI JR, ANTHONY J;7641 DUNE DR;NEW ORLEANS, LA 70128
MA 066 ANGNER, MIKE;%DELPHI ASSOC;169 MERRIMACK ST 4TH FLOOR
LOWELL, MA 01853
MA 067 GALVIN, R;123 WALTHAM ST;MAYNARD, MA 01754
MA 068 CONVERY, ROBERT F;6 DOW AVE;ARLINGTON, MA 02174
MA 069 ROUNTRY, MIKE;348 FRANKLIN ST;WHETMAN, MA 02382
MA 070 BOWLES, DAVID R;1-A NORTHRIDGE RD;BEVERLY, MA 01915
MA 071 STEDMAN, RICHARD S;45-304 WILLOW ST;SPRINGFIELD, MA 01103
MA 072 SICARD, ROBERT L;1556 HIGH STREET;WESTWOOD, MA 02090
MA 073 KAITZ, HASKELL A;235 LEWIS WHARF;BOSTON, MA 02110

MD 031 SCOTT, JOHN V;3714 38TH AVE;PO BOX 142
COTTAGE CITY, MD 20722
MD 032 FEDERMAN, JOSEPH E;10812 TENBROOK DR
SILVER SPRING, MD 20901
MD 033 KEENE, DENNIS;AMERICAMA CENTER;4 MONROE ST 1010
ROCKVILLE, MD 20850
MD 034 DOERNBERG, DAVID;24 N SUMMIT DR #202
GAITHERSBURG, MD 20760
MD 035 KISTLER, BERNADINE M;RIO VISTA;ST MICHAELS, MD 21663
MD 036 LANGAN, JAMES E;7451 FORREST AVE;BALTIMORE, MD 21234
MD 037 OWERS, CHRIS;10 MONTGOMERY AVE;GAITHERSBURG, MD 20760
MD 038 EISEN, STEVEN H;2206 PRICHARD ST;WHEATON, MD 20902
MD 039 TACKISH, PAUL M;PO BOX 55028;FT WASHINGTON, MD 20022
MD 040 WHICHER, VICTOR G;10233 SEVEN LOCKS RD;POTOMAC, MD 20854
MD 041 MILLER, RAYMOND L;1004 RIERCE AVE;SALISBURY, MD 21801
MD 042 TOLLIVER, JOHN S;725 GIST AVE;SILVER SPRING, MD 20910
MD 043 ENGELBERG, ERIC L;9824 WATTS BRANCH DR
ROCKVILLE, MD 20850
MI 057 BARNARD, C;3126 OAKSHIRE;BERKLEY, MI 48072
MI 058 KOTECKI, JOHN A;3245 BADGER SW;WYOMING, MI 49509
MI 059 WELMERS, BLAINE W;2138 EDGEWOOD NE;GRAND RAPIDS, MI 49505
MI 060 PAGE, RONALD F;20403 MADA;SOUTHFILED, MI 48075
MI 061 MERRILL, RALPH K;BOX 170;ROLLING ACRES DR
FREMONT, MI 49412
MI 062 STADER, TERRY M;30858 STEINHAUER;WESTLAND, MI 48185
MI 063 WICKS, GRAIG;5962 CRESTMOOR SE;KENTWOOD, MI 49508
MI 064 BERNARD, BARNEY;22605 GORDON;SAINT CLAIR SHORES, MI 48081
MI 065 KUTLOV, COL MILTON;3160 2ND BLVD;DETROIT, MI 48201
MN 024 SCHRAMM, JAMES W;12300 210TH ST W;LAKEVILLE, MN 55044
MO 032 WELSH, DAVID W;728 OAKWAY PL;ST LOUIS, MO 63122
MO 033 TUTUNY, MARK C;170 HIGH ST;HOLLISTON, MO 60000
MO 034 ABDIZADEH, HOSSIEN;2924 WINDSOR PL;BLUE SPRING, MO 60000
MO 035 COTNER, DAN B;310 BROADWAY;CAPE GIRARDEAU, MO 63701
MO 036 HARRIS, HUBERT J;306 S ALLEN;MACON, MO 63552
MO 037 WEBB, DAVID L;215 GROVER;WARRENSBURG, MO 64093
MS 012 MITCHELL, HAROLD;ROUTE 2;WINONA, MS 38967
MS 013 CARMICHAEL, JAMES H;2192 ST JAMES BLVD;GULFPORT, MS 39501
MS 014 CHASTAIN, DAVID O;4607 KENDALL AVE;GULFPORT, MS 39501
NC 021 DUNN, PAUL G;119 CATHERINE ST;BENSON, NC 27504
NJ 075 DANKO, LARRY S;208 WALNUT ST;LIVINGSTON, NJ 07039
NJ 076 MARCHESANI, N;800 RANCOCAS AVE;DELANCO, NY 08075
NJ 077 JANACEK, MARK S;111 LA FRANCE AVE;BLOOMFILED, NJ 07003
NJ 078 COHN, WILLIAM;418 FIFTH ST;LAKEWOOD, NJ 08701
NJ 079 RISHELL, HARRY L;911 CLARK ST;LINDEN, NJ 07036
NJ 080 FLICKINGER, JAMES R;2147 BEACH BLVD
POINT PLEASANT, NJ 08742
NJ 081 CARROLL, GERALD T;22 MAGUIRE RD;HAMILTON SQ, NJ 08690
NJ 082 CHESTER, BARRY;517 COUNTRY CLUB DR;CHERRY HILL, NJ 08003
NJ 083 BAKER, WILLIAM F;1415 86TH ST;NORTH BERGEN, NJ 07047
NJ 084 LEDER, ALAN;246 LENOX AVE;PATERSON, NJ 07502
NM 004 STEVENS, JERRY;1022 PATE;CARLSBAD, NM 88220
NV 006 WAIT, EUGENE J;2225 DRISCOLL DR;RENO, NV 89509
NY 124 GRANT, MSG CHARLES W;030-34-6091 HQ CMD
USA ELM (SHAPE) SI-1;APO NY, NY 09055
NY 125 WALSH, DAVE;4 FLOWER HILL RD;POUGHKEEPSIE, NY 12603
NY 126 KOHLHAS, JOSEPH M;114 TUDOR BLVD;BUFFALO, NY 14220
NY 127 GUSTAVSON, RICHARD E;PO BOX 6083;SYRACUSE, NY 13217
NY 128 WOLTMANN, RICHARD;164 ASBURY AVE;CARLE PLACE, NY 11514

NY 129 GEERY, EDWARD F;170 BROOKVIEW DR;IRONDEQUOIT, NY 14617
NY 130 HENNINGER, VERNON A;4813 KEPLER AVE;BRONX, NY 10470
NY 131 HEINZ, LAWRENCE;BOX 39;EAST SETAUKET, NY 11733
NY 132 MCINTOSH, EDWARD J;50 LEXINGTON AVE;GLEN FALLS, NY 12801
NY 133 SCHNEIDER, ARTHUR J;62-48 84TH PLACE
MIDDLE VILLAGE, NY 11379
NY 134 GROTH, HANS D;1583 BURNS ROAD;ANGOLA, NY 14006
NY 135 ROSEN, JAY;1740 EAST 4TH ST;BROOKLYN, NY 11223
NY 136 PRAETORIUS, BERT;48-03 OVERBROOK STREET
DOUGLASTON, NY 11362
NY 137 GUSTEK, STANLEY;30 MARTIN RD;LACKAWANNA, NY 14218
OH 077 VANCE, ROBERT L;287 GEORGESVILLE RD #20
COLUMBUS, OH 43228
OH 078 PETERS, ED;120 EKEY ST;WINTERSVILLE, OH 43952
OH 079 BAUER, BENSON C;5571 LANSBURY LANE;LYNDHURST, OH 44124
OH 080 STITT, JIM;BOX B-103;MARIETTA COLLEGE;MARIETTA, OH 45750
OH 081 FISHER, ROBERT G;1616 S SWEETBRIAR LANE
SPRINGFIELD, OH 45505
OK 019 PYEATT, JOE E;1101 N 21ST;DUNCAN, OK 73533
OR 028 CASE, WAYNE R;4255 NE 125TH PL #38;PORTLAND, OR 97230
PA 095 SHIFFLETT, EDNA M;RD 2 BOX 638;PALMYRA, PA 17078
PA 096 ROGERS, T WALKER;1501 13TH AVE;ALTOONA, PA 16601
PA 097 SPELL, EDDIE R;RD 1;KITTANNING, PA 16201
PA 098 DANGELO, EUGENE M;339 CENTER AVE;GREENSBURG, PA 15601
PA 099 MILLER, DEBORAH A;RD 4 BOX 76;ALLENTOWN, PA 18103
PA 100 ZINN, JOHN D;17 E KING ST;SHIPPENSBURG, PA 17257
PA 101 MOYER, THOMAS D;539 W GERMANTOWN PIKE
NORRISTOWN, PA 19401
PA 102 MILLER, STEPHEN L;235 BALTIMORE ST REAR;HANOVER, PA 17331
PA 103 GRANT, JOE;25 PIONEER AVE;PITTSBURGH, PA 15229
PA 104 SANDERS, PATRICK A;3-103 MITCHELL CT;HANOVER, PA 17331
SC 010 CALDWELL, SAMUEL T;1420 BIRTHRIGHT ST
CHARLESTON, SC 29407
TX 060 CUNNOR, JAMES P;7636 CALLAGHAN RD #320
SAN ANTONIO, TX 78229
TX 061 GAGE, TIM;7704 CORINAA DR;FT WORTH, TX 76108
TX 062 GOODSON, BOB MAE;PO BOX 16873;LUBBOCK, TX 79490
TX 063 PRIBBLE, JOHN L;4904 DALEVALE CT;FT WORTH, TX 76135
TX 064 ALEXANDER, BRENT;106 PLEASANT DR;????, TX 75901
TX 065 PERRINE, BURTON V;6712 BRYN MAWR DR;AUSTIN, TX 78723
TX 066 OHLENBURGER, PENNY;215 GREENLAWN;SAN ANTONIO, TX 78201
TX 067 TAYLOR, JERRY L;1217 HARRISON;KERMIT, TX 79745
TX 068 CONELY, WILLIAM M;700 W TEXAS;DENISON, TX 75020
TX 069 BURNS, ROBERT C;PO BOX 463;MOODY, TX 76557
UT 004 JUDD, ROBERT L;RT 1 BOX 922;PRICE, UT 84501
UT 005 BOONE, DANNY;BOX 15451;SALT LAKE CITY, UT 84115
VA 036 LEONARD, DOOYLE;PO BOX 2;JONESVILLE, VA 24263
VA 037 RADA, JAY;133 LITTLE JOHN RD;WILLIAMSBURG, VA 23185
WA 022 BRINEGAN, F.R.;2707 EAST 16TH;BREMERTON, WA 98310
WA 023 OLSEN, CURTIS E;8554 S 124TH ST;SEATTLE, WA 98178
WA 024 BECKER, ROBERT E;BOX 355;KENT, WA 98031
WI 023 TICKER, GEORGE;4734 N 49TH ST;MILWAUKEE, WI 53218
WI 024 BUNDE, ERNST;1044 N 70TH ST;WAUWATOSA, WI 53213
WI 025 ANDERSON, ROGER W;247 WATER ST- ROCKDALE
CAMBRIDGE, WI 53523
WI 026 TRIVALOS, ROBERT A;906 E WATERFORD AVE, #3
MILWAUKEE, WI 53207
WI 027 KOMATZ, DAVID;506 MARY HILL DR;GREEN BAY, WI 54303
WV 015 JOHNSON, ORLANDO C;BOX 8404;S CHARLESTON, WV 25303
062CANA MELODICK, SHELLY;194 SNOWSHOE CR;THORNHILL, ONTARIO
CANADA L3T 4M9

AK.....1
AL.....14
AR.....10
AZ.....22
CA....694
CO.....25
CT.....38
DC.....5
DE.....9
FL.....80
GA.....26
HI.....2
IA.....22
ID.....3
IL....158
IN.....38
KS.....17
KY.....18
LA.....17
MA.....72
MD.....41
ME.....13
MI.....59
MN.....24
MO.....36
MS.....13
MT.....2
NB.....3
NC.....19
ND.....3
NH.....12
NJ.....84
NM.....4
NV.....6
NY....125
OH.....78
OK.....19
OR.....25
PA....100
PR.....1
RI.....7
SC.....7
SD.....3
TN.....15
TX.....68
UT.....5
VA.....35
VT.....2
WA.....23
WI.....26
WV.....15
WY.....4
ARUB....1
AUST....1
BERM....2
CANA...55
ENGL....2
ICLD....1
MEXI....2
NIRE....2
NZEL....1
SAAR....1
SWED....2

## ** Calendar **

Send notices of upcoming events for the Calendar section to John Clark, RCMA, P.O. Box 4563, Anaheim, CA 92803. Please send notices well in advance of the Newsletter deadline.

**** December 7 1980 Miami RCMA Meeting

Contact FL 024 Mark Cobbledick
P.O. Box 43-1982 South Miami, Fl 33143

*** please note the newsletter deadlines refer to tne month the newsletter is to be mailed. Not the date on the cover.

Novemoer 10 MONDAY Newsletter deadline for "December" newsletter.

November 21 FRIDAY General Meeting: Mercury Savings and Loan, Valley View and Lincoln Avenue, Buena Park, Ca. Gorden West CAOR017 noted West Coast editor and teacher will be the guest speaker.

December 2 TUESDAY Board meeting and newsletter labeling session at Anaheim Library Branch 1349 S. Euclid, Anaheim, Ca. Labeling will start about 6:30 PM. Board Meeting will follow. This is an opportunity to have your voice heard, assist the club, and learn the latest scanner activity. All members are welcome. Any DX members in the area on vacation, here is a good spot to break the trip. We can use all the help we can get.

December 8 MONDAY Newsletter deadline for "January" Newsletter.

January 5 MONDAY Newsletter deadline for the "February" newsletter.

Janrary 6 TUESDAY Board meeting and newsletter labeling session at Anaheim Library Branch 1349 S. Euclid, Anaheim, Ca.

## Reports of Meetings and Officers

Send reports (informal accounts) of RCMA meetings, gatherings, etc. which have occured to: John Clark, RCMA, P.O. Box 4563, Anaheim, CA 92803.

Elections are comming up soon. If you are interested in running for office please contact R.M.C.A. P.O.Box 4563 E., Anaheim, Ca 92803. Any member is eldigible to run for any office. We encourage members from out of the Anaheim area to run. However since the logistics of the newsletter and the bank are located in Anaheim, the treasurer should be somewone local.

******* note the date on your label. It is the date your last newsletter in your present membership will be mailed. Not the date on the cover of the newsletter. Your membership ending month is printed on the top line of your label beside your membership number. The cover date on the newsletter is one month ahead of the date it is to be mailed. This is done to allow the postoffice to make a speedy delivery to you before it is out of date.

Due to the increase in costs, (postage, printing, etc) and the logostics of tne newsletter there will be a dues increase starting in January 1981. The member ship fee will be $12.00 per year for state sides members with overseas menoership fees prorated. The board has spent several hours discussing this increase. We have now reached the point where the club newsletter that use to be four mino sheets and mailed to 200 members is now too big to put in one car to pickup at the printers, or to take to the postoffice.

We have adopted a policy of fixing a firm date now on all price annoucements The $12.00 newmember or renual price will be in effect from January 1, 1981 to July 1, 1981. We do not anticipate any other increase for next year, but if we do it will be placed in effect after July 1, 1981.

The Radio Communications Monitoring Association is a radio club for persons interested in listening to two-way communications above 30 MHz as a hobby. RCMA was founded in May 1975 and is a Full Member of the Association of North American Radio Clubs (ANARC).

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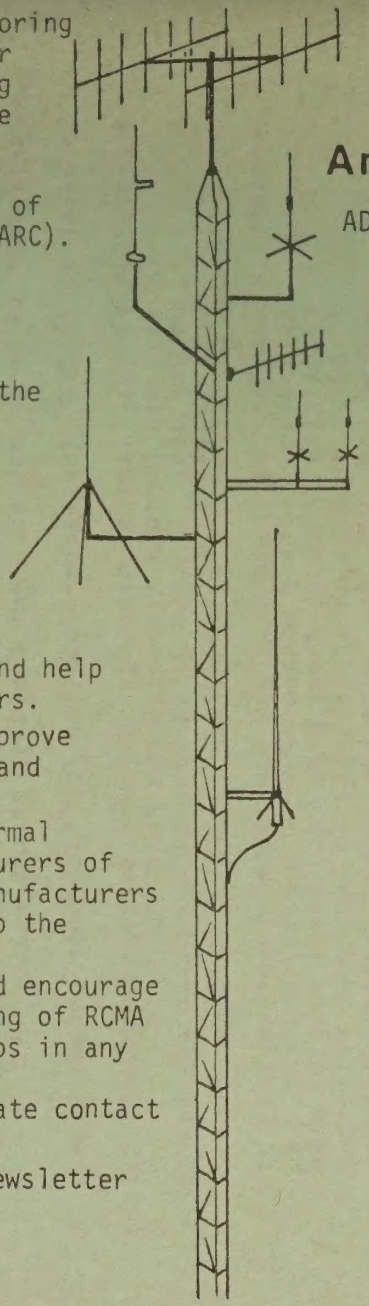
The goals of RCMA are:

1) To provide a fraternity for those who seriously pursue the hobby of monitor radio listening.
2) To try to be knowledgeable about two-way radio systems and operations.
3) To promote an understanding of the legal and ethical uses of monitor receivers.
4) To share information with and help other monitor radio listeners.
5) To try to understand and improve receivers, antenna systems and related equipment.
6) To offer suggestions and formal recommendations to manufacturers of monitor receivers and to manufacturers of other products related to the hobby.
7) To offer suggestions for and encourage the organizing and conducting of RCMA meetings and tours for groups in any geographic area.
8) To encourage and to facilitate contact between members.
9) To publish a regular club newsletter devoted to the hobby.



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